

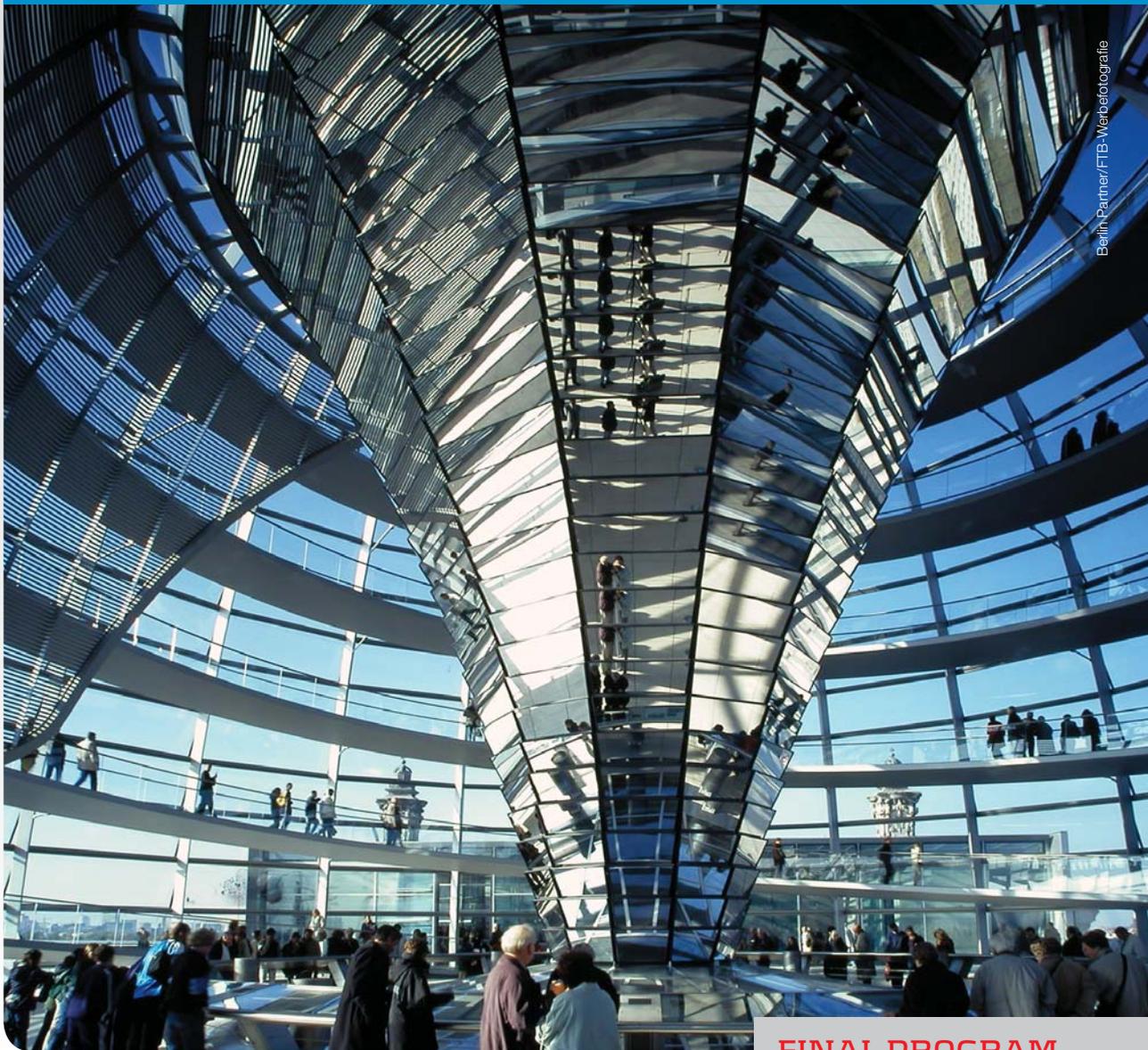


www.febs2015.org

40TH FEBS CONGRESS

The Biochemical Basis of Life

July 4-9, 2015 • Berlin, Germany



Berlin Partner/FTB-Web fotografie

FINAL PROGRAM



Molecular
Life Sciences

Acknowledgements

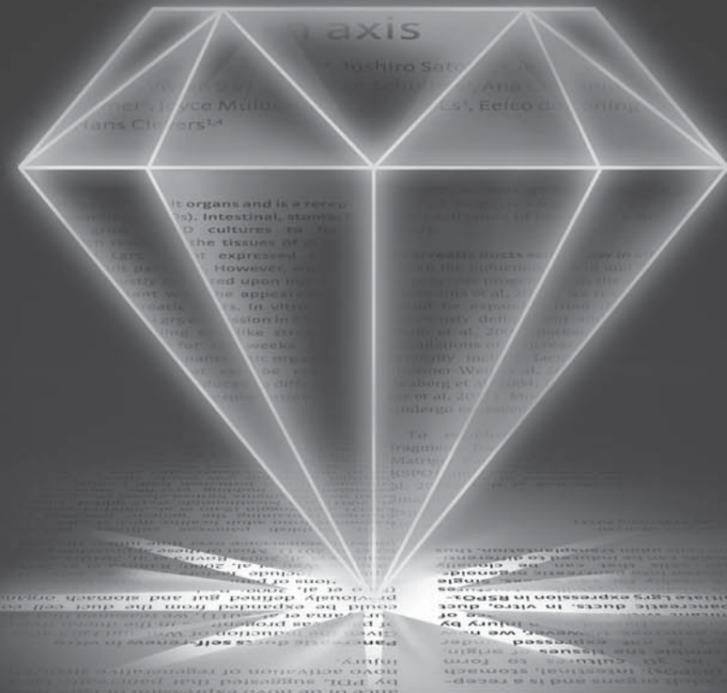
We would like to thank our strategic partners:

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	Saturday July 4	Sunday July 5	Monday July 6	Tuesday July 7	Wednesday July 8	Thursday July 9
9:00 AM						
10:00 AM						
11:00 AM		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
12:00 PM		11:30 AM–12:30 PM IUBMB Lecture <i>Xiaowei Zhuang</i>	11:30 AM–12:30 PM FEBS IEMBO Women in Science Award <i>Caroline Dean</i>	11:30 AM–12:30 PM PABMB Lecture <i>Alberto R. Kornblitt</i>	11:30 AM–12:30 PM Sir Hans Krebs Lecture <i>Jürgen Knoblich</i>	11:30 AM–12:00 PM Otto Meyerhof Prize 12:00 PM–1:00 PM The EMBO Lecture <i>Sarah A. Teichmann</i>
1:00 PM		Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
2:00 PM		1:30 PM–3:00 PM Speed Talks	1:30 PM–3:00 PM Speed Talks	1:00 PM–3:00 PM FEBS Education Session	1:30 PM–3:00 PM Speed Talks	
		1:30 PM–3:00 PM Posters on Display Poster Discussion Session 1	1:30 PM–3:00 PM Posters on Display Poster Discussion Session 1	12:30 PM–2:30 PM Industry Symposium	1:30 PM–3:00 PM Posters on Display Poster Discussion Session 2	
3:00 PM	3:00 PM–8:45 PM Registration	3:00 PM–5:00 PM Parallel Symposia	3:00 PM–5:00 PM Parallel Symposia	3:00 PM–5:00 PM FEBS Science & Society Session Evolutionary Medicine	3:00 PM–5:00 PM Parallel Symposia	
4:00 PM						
5:00 PM		Coffee Break	Coffee Break	Coffee Break	Coffee Break	
6:00 PM	5:45 PM–7:00 PM Conference Opening <i>Randy Schekman</i>	5:30 PM–6:30 PM GBM Phd Award & Medal <i>Karl Lohmann Award</i>	5:30 PM–6:30 PM FEBS Theodor Bacher Lecture <i>Mathias Mann</i>	5:30 PM–7:30 PM Data Management & Reproducibility	5:30 PM–6:00 PM The FEBS Journal Prize Lecture 6:00 PM–7:00 PM Datta Lecture <i>Susan Lindquist</i>	
7:00 PM	7:15 PM–8:45 PM Podium Discussion: The Future of Scientific Publishing	6:30 PM–7:30 PM Otto Warburg Lecture & Medal <i>Nikolaus Pfanner</i>	6:30 PM–7:30 PM Fritz Lipmann Lecture <i>Barbara Meyer</i>			
8:00 PM						
9:00 PM	8:45 PM–10:00 PM Welcome Reception Mixer in Exhibition Area				8:00 PM–11:00 PM Networking Evening at Franz Restaurant	

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| TABLE OF CONTENTS

Introduction	6	Welcome Messages
	9	Contacts/Committee/About the Organizers
Congress Information	10	General Information A–Z
Scientific Program		Main Program
	13	Saturday, July 4, 2015
	14	Sunday, July 5, 2015
	23	Monday, July 6, 2015
	32	Tuesday, July 7, 2015
	38	Wednesday, July 8, 2015
	48	Thursday, July 9, 2015
		Poster Sessions
	53	Overview
	54	Poster Prizes
55	Sunday, July 5 & Monday, July 6	
87	Tuesday, July 7 & Wednesday, July 8	
Map	119	Estrel Convention Center – General Plan
Industrial Exhibition	120	Floor Plan
	121	List of Exhibitors & Sponsors
Imprint	122	



Message from FEBS



It is my great pleasure to welcome you all to the 40th FEBS Congress which takes place in the unique city of Berlin. Having the FEBS Congress in Berlin carries considerable historic significance since the last and only earlier FEBS Congress in this city took place in 1986! Significantly, as stated in the FEBS Memoir book: "The 17th FEBS meeting was held in Berlin. However, because of the particular political status of the town, the organizers had to advertise the venue as being held in Berlin West." Thus, the 40th FEBS Congress is the first FEBS Congress in the united Berlin, the city which symbolized for many decades the division of Europe. For FEBS, which was one of the very few organizations bridging both parts of the divided Europe, it is obviously an additional reason for celebration.

The Federation of European Biochemical Societies organized its first annual meeting in London, immediately after its foundation in 1964. One of the main driving forces for the establishment of FEBS was the acute need to facilitate intra-European scientific communication and personal contacts. The early FEBS meetings eventually became the annual FEBS Congresses, and thus have a long history of bringing together scientists from all over Europe, including during the times of division by the "iron curtain", to present and discuss the latest research results and to spark collaborations and friendship.

One aspect of a large scientific congress that distinguishes it from more focused smaller meetings is the possibility to get updated in leading research areas outside one's own immediate interests. This has various benefits. First, it is rather useful for younger researchers who are at a stage where decisions about their own future have to be made. For others, ideas for interdisciplinary work, new research directions and university teaching may arise. Attractive opportunities for exhibitors to present the latest equipment, methods and reagents are also provided at a large meeting.

Dear Participants, we are looking forward to an outstanding range of eminent lecturers during this FEBS 2015 Congress on many fast-moving areas of the molecular life sciences. To complement all that there are a number of special sessions on specific interests, including those planned by FEBS committees on science and society, education and on promoting women in science.

Enjoy!

Prof. Dr. Israel Pecht

Message from GBM



Welcome to the FEBS-GBM 2015 Conference!

Message from the German Society for Biochemistry and Molecular Biology (GBM)

It is my great pleasure to welcome you as the president of the German Society for Biochemistry and Molecular Biology (GBM) here in Berlin, the vibrant capital of Germany. We are highly honored to host this year's 40th FEBS Congress. This prestigious meeting series played and plays an important role in shaping European science and in bringing scientists, especially young scientists, together.

Science lives from the exchange of ideas, results and also from informal discussions. I am positive that this meeting is held in this spirit, providing a lively atmosphere that fosters exchange.

My special thanks go to Volker Haucke, Thomas Sommer and the whole organizing team in Berlin. They did an excellent job in shaping the program and selecting outstanding speakers, covering many different facets and topics in the molecular life sciences. Special thanks also to the various FEBS committees for support and continued input during the organization of the event.

Enjoy the talks, the discussions and, last but not least, the lively atmosphere of this meeting in Berlin.

Prof. Dr. Johannes Buchner

Message from the Conference Chairs



Welcome to Berlin and the FEBS-GBM 2015 Conference

We wish you a very warm welcome to the joint conference of the European Biochemical Societies (FEBS) and the German Society for Biochemistry and Molecular Biology (GBM) in Berlin 2015 and are happy to introduce you to the scientific program of the meeting.



The opening lecture will be delivered by Nobel laureate Randy Schekman on the "Secretion of large particles and miRNA" and be followed by a podium discussion on "The Future of Scientific Publishing". Our ten plenary speakers will cover the entire spectrum of molecular life sciences ranging from the development and application of super-resolution microscopy to the growth of entire organs in a petri dish.

The selected themes of our 30 concurrent scientific symposia reflect the excellence of European research and cover six main themes. Attendees will be able to choose from a line-up that includes more than 150 outstanding scientists covering a wide range of topics in molecular life sciences ranging from gene expression and membrane biology to molecular medicine and neuroscience. Several symposia deal with both health and disease situations and provide prospects for future therapeutic applications, e.g. to combat cancer or neurodegenerative diseases. Other sessions delve into the beauty of biological architectures, including chromatin or the organization of membranes and the proteins embedded therein as well as the regulation of biological function by non-coding RNA, lipids, or glycan modifications. Last but not least, we will have symposia on systems biology and the use of experimental and theoretical approaches to rationalize complex biological systems. These symposia are framed by special sessions on Education, Women in Science, Evolution & Molecular Medicine hosted by the FEBS Science & Society Committee, and the rising topic of Data Management and Reproducibility.

The poster sessions, scheduled from Sunday to Wednesday, offer dynamic, vivid and personal presentations allowing to forge new collaborations and to discover new fields and ideas. Finally, we wish to draw your attention to the industry exhibit and thank all our sponsors, whose contributions have greatly helped in shaping this event.

The conference is also a perfect occasion to meet the vibrant research community living around Berlin and to visit local institutes and universities. Finally, Berlin is a wonderful setting and those who can extend their stay can explore the city, its museums, discover the many cafés and restaurants and become acquainted with the rich heritage that Berlin has to offer.

We wish all participants, speakers and presenters an enjoyable and productive conference!

Volker Haucke (Chair)
on behalf of the local organizing committee

Thomas Sommer (Vice-Chair)

Congress President

Volker HAUCKE
Leibniz-Institut für Molekulare Pharmakologie
Robert-Roessle-Strasse 10
13125 Berlin, Germany

Local Organizing Committee

Ann EHRENHOFER-MURRAY (Berlin, Germany)
Britta EICKHOLT (Berlin, Germany)
Ronald FRANK (Berlin, Germany)
Michael GOTTHARDT (Berlin, Germany)
Volker HAUCKE (Berlin, Germany)
Andreas HERRMANN (Berlin, Germany)
Hanspeter HERZEL (Berlin, Germany)
Zoya IGNATOVA (Potsdam-Golm, Germany)
Edda KLIPP (Berlin, Germany)
Nikolaus RAJEWSKY (Berlin, Germany)
Thomas SOMMER (Berlin, Germany)
Markus WAHL (Berlin, Germany)

In close collaboration with the GBM Study Groups

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General Information

febs2015@mci-group.com

Scientific Program

febs2015-secretariat@mci-group.com

Registration and Accommodation

registration.berlin@mci-group.com

Exhibition and Sponsoring

febs2015-sponsoring@mci-group.com

About FEBS

The Federation of European Biochemical Societies (FEBS) was founded in 1964 and has become one of Europe's largest organizations in the molecular life sciences, with over 36,000 members across more than 35 biochemistry and molecular biology societies in different countries of Europe and neighboring regions. FEBS thereby provides a voice to a large part of the academic research and teaching community in Europe and beyond. As a charitable organization, FEBS promotes, encourages and supports biochemistry, molecular biology, cell biology, molecular biophysics and related research areas in a variety of ways, such as through its journals, research fellowships, courses, and congress. There is an emphasis in many programs on scientific exchange and cooperation between scientists working in different countries, and on promotion of the training of early-career scientists.

www.febs.org

About GBM

With about 5,300 members from institutes of higher education, research centers, and industry, the Society for Biochemistry and Molecular Biology (Gesellschaft für Biochemie und Molekularbiologie, GBM) is the leading body of bioscience experts in Germany. The GBM represents the interests of all who work and research in the dynamic and promising disciplines combining chemistry, medicine, and biology – from first year students to heads of institutes, from junior scientists to Nobel Prize winners – and promotes research and teaching, the implementation of scientific findings in biotechnology and medicine, and their publication.

The international GBM meetings are a platform for sharing information on the latest developments in molecular biosciences with leading experts on the represented sectors. The network of contacts extends to all German universities and a large number of major research centers.

www.gbm-online.de



Act of God

It is mutually agreed that in the event of total or partial cancellation of the congress due to fire, strike, natural disaster (either threatened or actual), government regulations or incidents not caused by the organizer, which would prevent its scheduled opening or continuance, the congress may be partially postponed or terminated as a whole. In this case, participants are not entitled to reclaim refunds on no account. Participants are obliged to have civil liability insurance.

Blogging Policy

We ask that all bloggers and tweeters attending the FEBS 2015 Congress to gain approval from a speaker or poster presenter prior to quoting or publishing that individuals scientific results. We further remind participants that all unpublished data presented should be regarded as confidential. This policy applies whether you are a professional writer/journalist or a non-journalist blogging about the conference or otherwise sharing information among a group of individuals. If you are tweeting about the FEBS 2015 Congress, please use the official hash tag: #FEBS2015

Certificate of Attendance

All registered participants will receive a certificate of attendance together with the congress documents.

Conference App – Sponsored by Wiley

Make the most of your time at the conference and download the app today! Create your personal program on your mobile device and browse or search the complete scientific program, abstracts, speaker biographies, sponsors and exhibitors. The app will navigate your way around the exhibition and conference center. You will be able to take notes directly on sessions, speakers and exhibitors. After the conference, all notes can be exported via e-mail. Daily conference news will keep you up to date.

You can download the congress app in the app store or on google play. Alternatively, a link will be provided on www.febs2015.org. Once you have downloaded the app, you do not require internet access to operate it. The conference App is sponsored by Wiley.

Conference Documents

Registration fee for participants covers: admission to scientific sessions and satellite symposia, collection of abstracts, congress documents, admission to exhibitions.

Conference Language

The official language of the congress will be English. Simultaneous translation will not be provided.

Conference Venue

Estrel Convention Center
Sonnenallee 225
12057 Berlin, Germany

Gastronomy

The catering stations for the coffee and lunch breaks are located in the exhibition halls. Participants will be offered snacks and beverages.

Helpful Telephone Numbers

Taxi Berlin: 0049 30 20 20 20
TaxiFunk Berlin: 0049 30 44 33 22
Fire Service: 112
Police: 110

Internet Access

Free wireless internet access is available in the venue. For participants who stay at the hotel please login with your room number and your surname. For participants who do not stay at the hotel please get a voucher with the password from the information desk of the Estrel hotel. Please ensure the wireless connection on your device is configured and your device is correctly protected for wireless usage. No technical support will be provided.

Lost & Found

A Lost & Found box will be placed at the registration desk.

Media Check

The media check will be located in room Straßburg near to the registration desk.

Opening Hours

Saturday, July 4 4:00 PM–8:45 PM
Sunday, July 5 7:30 AM–5:30 PM
Monday, July 6 7:30 AM–5:30 PM
Tuesday, July 7 7:30 AM–5:30 PM
Wednesday, July 8 7:30 AM–5:30 PM
Thursday, July 9 8:00 AM–11:30 AM

Name Badge

The name badge will be the official meeting document and should be worn at all times in order to gain entry to the meeting rooms and the exhibition halls. In case of lost or forgotten badges, an administration fee of € 20 will be charged.

Photography, Audio, Video and Mobile Phone Policy

Audio, photo and video recording by any device (e.g. cameras, laptops, PDAs, mobile phones, watches) is strictly prohibited during all oral and poster sessions, unless prior permission is obtained from the congress organizer. Use of mobile phones is strictly prohibited during scientific sessions. Mobile phones must be switched off while attending sessions.

Program Changes

The organizer reserves the right to make changes if necessary. No full or partial refunds are made to the attendees in the event of cancellations or other changes in the program. Please note that changes will be posted at the registration desk and at the entrance of the session halls. Participants will be informed about the changes.

Registration

You can still register online and directly in Berlin. However, waiting can be eased, if participants register online in advance. Pre-registered participants will receive a barcode which is required on-site in order to print the badge. Therefore, it is essential to have the barcode ready. Self-printing stations are located directly in the entrance hall.

Registration Desk

The registration desk is situated in the entrance hall.

Opening Hours

Saturday, July 4 3:00 PM–8:45 PM
Sunday, July 5 7:30 AM–5:30 PM
Monday, July 6 7:30 AM–5:30 PM
Tuesday, July 7 7:30 AM–5:30 PM
Wednesday, July 8 7:30 AM–5:30 PM
Thursday, July 9 8:00 AM–11:30 AM

Reimbursement of Travel Costs – For FEBS Bursary Winners

You will be reimbursed by cash cheque at the conference or, if preferred, by bank transfer after the conference. The cheque can be cashed in all branches of Commerzbank in Berlin during bank opening hours. It cannot be cashed in your home country! Reimbursement cannot be made in cash money! Please note: You have to appear in person and provide your ID for check-in at the congress venue (July 4–9, 2015, Berlin, Germany). For reimbursement, please attend during the opening hours and provide your congress registration receipt. In case you prefer bank transfer, you will receive a form to provide your bank account information for the money transfer at a special desk in the entrance hall.

Opening Hours

Saturday, July 4 closed
Sunday, July 5 11:00 AM–2:00 PM
Monday, July 6 11:00 AM–2:00 PM
Tuesday, July 7 11:00 AM–2:00 PM
Wednesday, July 8 11:00 AM–2:00 PM
Thursday, July 9 closed

Reimbursement of Travel Costs – For GBM Travel Grant Winner only

You will be reimbursed with a cash cheque at the conference. Please note: you have to appear in person and provide your ID for check-in at the congress venue (July 4–9, 2015, Berlin, Germany). You receive the cash cheque at the bursary desk in the entrance hall.

For reimbursement, please attend during the opening hours and provide your congress registration receipt.

Opening Hours

Saturday, July 4 closed
Sunday, July 5 11:00 AM–2:00 PM
Monday, July 6 11:00 AM–2:00 PM
Tuesday, July 7 11:00 AM–2:00 PM
Wednesday, July 8 11:00 AM–2:00 PM
Thursday, July 9 closed

Social Program

The Get together will take place on July 4, 2015 from 8:45 PM–10:00 PM in the industrial exhibition.

The networking evening will take place on July 8, 2015 from 8:00 PM–11:00 PM at Frannz Restaurant in the KulturBrauerei (address: Schönhauser Allee 36, 10435 Berlin, Germany. Public transportation: U2, Eberswalder Straße). In September 2004, the concept of the former GDR youth club experienced a revival and Frannz was given a new lease of life. Today, the modern venue is an exciting combination of club, concert stage, snack-bar and lounge – all under one roof.

The area of KulturBrauerei, where Frannz is located, is Berlin's melting pot of the cultural scene. Inimitably it joins an architectural historic site with the vitality of a modern culture scene. Purchase tickets at the registration desk and enjoy a night with "berlin flair" and great food.

Smoking

Smoking is strictly prohibited in the congress venue by law.

Wardrobe

The wardrobe is situated in the entrance hall.

Opening Hours

Saturday, July 4 3:00 PM–10:30 PM
Sunday, July 5 7:30 AM–9:00 PM
Monday, July 6 7:30 AM–9:00 PM
Tuesday, July 7 7:30 AM–8:30 PM
Wednesday, July 8 7:30 AM–9:30 PM
Thursday, July 9 8:00 AM–2:30 PM

The opening hours are subject to change.

Session Types

-  Plenary Lecture
-  Poster Session
-  Industry Symposium
-  Special Session/Workshop
-  Speed Talks
-  Symposium
-  Others

Main Topics

- Gen EX Mechanisms of Gene Expression
- Mem Biol Membranes, Receptors & Bioenergetics
- Struct Biol Structural Biology and Biophysics
- Sys Biol Systems Biology, Bioinformatics & Theoretical Biology
- Mol Neu Molecular Neuroscience
- Chem Biol From Chemical Biology to Molecular Medicine

Convention Hall A/B	PLENARY LECTURE 
5:45 PM–7:00 PM	<p>Conference Opening</p> <p><i>Chair: Volker Haucke (Berlin, Germany)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Welcoming address <i>Volker Haucke (Berlin, Germany)</i> <i>Israel Pecht (Rehovot, Israel)</i> <i>Johannes Buchner (Munich, Germany)</i> <input type="checkbox"/> Secretion of large particles and miRNAs from mammalian cells <i>Randy Schekman (Berkeley, United States of America)</i>
5:45 PM–6:00 PM	
6:00 PM–7:00 PM	
7:00 PM–7:15 PM	BREAK 
Convention Hall A/B	SPECIAL SESSION / WORKSHOP 
7:15 PM–8:45 PM	<p>Podium Discussion: The Future of Scientific Publishing</p> <p><i>Chairs: Johannes Buchner (Munich, Germany)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Panel <i>Bernd Pulverer (Heidelberg, Germany)</i> <i>Randy Schekman (Berkeley, United States of America)</i> <i>Francesca Cesari (London, United Kingdom)</i> <i>Jean-Claude Burgelman (Brussels, Belgium)</i> <i>Felix Wieland (Heidelberg, Germany)</i> <i>Emilie Marcus (Cambridge, United States of America)</i> <i>Christine Ferguson (Cambridge, United Kingdom)</i>
Exhibition Area	OTHERS 
8:45 PM–10:00 PM	Welcome Reception Mixer in Exhibition Area

	Convention Hall A/B	ECC Room 1	ECC Room 2	ECC Room 3	Estrel Hall A	Estrel Hall C	
8:30 AM–11:00 AM	8:30 AM–11:00 AM	8:30 AM–11:00 AM	8:30 AM–11:00 AM	8:30 AM–11:00 AM	8:30 AM–11:00 AM	8:30 AM–11:00 AM	
9:00 AM	Symposium Probing Cellular Function with Small Molecules (Part I)	Symposium Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome (Part I)	Symposium Molecular Clocks (Part I)	Symposium Neuronal Ion Channels and their Role in Disease (Part I)	Symposium Organelle Dynamics and Communication (Part I)	Symposium Mechanisms of Membrane Transport (Part I)	9:00 AM
10:00 AM							10:00 AM
11:00 AM	Coffee Break						11:00 AM
11:30 AM–12:30 PM							
12:00 PM	Plenary Lecture IUBMB Lecture						12:00 PM
1:00 PM	Lunch Break						1:00 PM
2:00 PM		1:30 PM–3:00 PM	1:30 PM–3:00 PM	1:30 PM–3:00 PM	1:30 PM–3:00 PM	1:30 PM–3:00 PM	2:00 PM
		Speed Talks Membranes, Receptors & Bioenergetics + Structural Biology and Biophysics	Speed Talks Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology	Speed Talks From Chemical Biology to Molecular Medicine + Molecular Neuroscience	Poster Session 1 in Foyer Convention Center		
3:00 PM	3:00 PM–5:00 PM	3:00 PM–5:00 PM	3:00 PM–5:00 PM	3:00 PM–5:00 PM	3:00 PM–5:00 PM	3:00 PM–5:00 PM	3:00 PM
4:00 PM	Symposium Probing Cellular Function with Small Molecules (Part II)	Symposium Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome (Part II)	Symposium Molecular Clocks (Part II)	Symposium Neuronal Ion Channels and their Role in Disease (Part II)	Symposium Organelle Dynamics and Communication (Part II)	Symposium Mechanisms of Membrane Transport (Part II)	4:00 PM
5:00 PM	Coffee Break						5:00 PM
6:00 PM	5:30 PM–6:30 PM GBM PhD Award & Karl Lohmann Award						6:00 PM
7:00 PM	6:30 PM–7:30 PM Plenary Lecture Otto Warburg Lecture & Medal						7:00 PM

Poster
Foyer Convention Center

Convention Hall A/B	Chem Biol S1-I	SYMPOSIUM
8:30 AM–11:00 AM		Probing Cellular Function with Small Molecules (Part I)
	Chairs:	<i>Guilio Superti-Furga (Vienna, Austria)</i> <i>Herbert Waldmann (Dortmund, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Drug transport and drug action <i>Guilio Superti-Furga (Vienna, Austria)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Visualising biochemical activities with synthetic probes in living cells <i>Kai Johnsson (Lausanne, Switzerland)</i>
9:30 AM–10:00 AM		<input type="checkbox"/> Repurposing of stem cell signaling pathways <i>Petr Bartunek (Prague, Czech Republic)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> ECM remodeling: a bystander or a partner in a crime <i>Irit Sagi (Rehovot, Israel)</i>
10:30 AM–10:45 AM		<input type="checkbox"/> Light controlled protein sequestration in living cells <i>Richard Wombacher (Heidelberg, Germany)</i>
10:45 AM–11:00 AM		<input type="checkbox"/> Live-cell RNA imaging using genetically encoded fluorophore and quencher binding aptamers <i>Murat Sunbul (Heidelberg, Germany)</i>
ECC Room 1	Gen EX S1-I	SYMPOSIUM
8:30 AM–11:00 AM		Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome (Part I)
	Chairs:	<i>Ann Ehrenhofer-Murray (Berlin, Germany)</i> <i>Carl Wu (Ashburn, United States of America)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Chromatin dynamics of histone variant H2A.Z at yeast gene promoters <i>Carl Wu (Ashburn, United States of America)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Regulation of centromere function by posttranslational modifications on the centromeric histone variant CENP-A/ Cse4 in yeast <i>Ann Ehrenhofer-Murray (Berlin, Germany)</i>
9:30 AM–10:00 AM		<input type="checkbox"/> Epigenetic control of translation and ageing <i>Jane Mellor (Oxford, United Kingdom)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Coordination of gene expression and cell cycle progression in response to stress <i>Francesc Posas Garriga (Barcelona, Spain)</i>
10:30 AM–10:45 AM		<input type="checkbox"/> How do transcription factors “know” where to go in the genome? <i>Sebastian Mejsing (Berlin, Germany)</i>
10:45 AM–11:00 AM		<input type="checkbox"/> The effect of histone modifications and DNA superhelicity on nucleosome stability <i>Gábor Szabó (Debrecen, Hungary)</i>

ECC Room 2	Sys Biol S2-I	SYMPOSIUM
8:30 AM–11:00 AM		Molecular Clocks (Part I) <i>Chairs: Felix Naef (Lausanne, Switzerland) Michael Brunner (Heidelberg, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Posttranscriptional mechanisms regulating circadian rhythms in mammals <i>Achim Kramer (Berlin, Germany)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Control of spindle checkpoint signaling at the metaphase to anaphase transition <i>Daniel W. Gerlich (Vienna, Austria)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Effects of reciprocal interactions between various dietary fats and circadian phases on postprandial hyperlipidemia in rats <i>Basri Satılmış (Malatya, Turkey)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Understanding phototrophic growth: Modeling temporal resource allocation and diurnal dynamics in cyanobacterial metabolism <i>Ralf Steuer (Berlin, Germany)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Structural insights into circadian oscillators <i>Eva Wolf (Mainz, Germany)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Circadian architecture in the brain: using neural plasticity to control clock properties <i>Steve Brown (Zurich, Switzerland)</i>

ECC Room 3	Mol Neu S1-I	SYMPOSIUM
8:30 AM–11:00 AM		Neuronal Ion Channels and their Role in Disease (Part I) <i>Chairs: Pierre-Jean Corringer (Paris, France) Andrew Plested (Berlin, Germany) Carmen Villmann (Würzburg, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Structure of the transmembrane domain of the human glycine receptor using prokaryotic GLIC as a scaffold <i>Pierre-Jean Corringer (Paris, France)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Glycinergic disinhibition in neuromotor disorders <i>Carmen Villmann (Würzburg, Germany)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Towards the physiological role of the Cl ⁻ /H ⁺ exchanger CIC-3 in the brain <i>Stefanie Weinert (Berlin, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> The attenuated Presenilin-1 endoproteolysis causes a store-operated calcium channels hyperactivity in neurons of Alzheimer's disease models <i>Maria Ryazantseva (St. Petersburg, Russian Federation)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Structure of the serotonin 5-HT ₃ receptor <i>Hugues Nury (Grenoble, France)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Activation mechanisms of ionotropic glutamate receptors <i>Andrew Plested (Berlin, Germany)</i>

Estrel Hall A	Mem Biol S1-I	SYMPOSIUM
8:30 AM–11:00 AM		Organelle Dynamics and Communication (Part I) <i>Chairs: Maya Schuldiner (Rehovot, Israel) Peter Rehling (Göttingen, Germany)</i>
8:30 AM–8:45 AM		<input type="checkbox"/> Endosomal control of tetraspanin-based functional hubs at the plasma membrane <i>Nicole Kleineniggenkemper (Muenster, Germany)</i>
8:45 AM–9:00 AM		<input type="checkbox"/> Characterization of the human PEX14-microtubule interaction <i>Lena Brühl (Bochum, Germany)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Staying Connected: Regulating the extent of contact between organelles <i>Maya Schuldiner (Rehovot, Israel)</i>
9:30 AM–10:00 AM		<input type="checkbox"/> Role of Rab7 GTPases Ypt7 in vacuole membrane organization and contact site formation <i>Christian Ungermann (Osnabrück, Germany)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Peroxisome biogenesis in yeast <i>Ida J. Van der Klei (Groningen, Netherlands)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Molecular mechanisms of mitochondrial behavior <i>Benedikt Westermann (Bayreuth, Germany)</i>

Estrel Hall C	Struct Biol S1-I	SYMPOSIUM
8:30 AM–11:00 AM		Mechanisms of Membrane Transport (Part I) <i>Chairs: Raimund Dutzler (Zurich, Switzerland) Irmgard Sinning (Heidelberg, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Localization-dependent regulation of membrane transporters and channels <i>Christine Ziegler (Frankfurt am Main, Germany)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Structure of a prokaryotic Prestin homolog reveals the architecture of the SLC26 family <i>Eric R. Geertsma (Frankfurt am Main, Germany)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Structure-function analysis of the different selectivity preferences of pyrimidine and/or purine transporters in the Nucleobase: Cation Symporter-2 (NCS2) family <i>Stathis Frillingos (Ioannina, Greece)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> A new channel for the peroxisomal import of PTS2 proteins <i>Jessica Klümper (Bochum, Germany)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Structure and mechanism of respiratory complex I, a giant molecular proton pump <i>Leonid A. Sazanov (Cambridge, United Kingdom)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> The structural basis for calcium activation in the TMEM16 family of lipid scramblases and ion channels <i>Raimund Dutzler (Zurich, Switzerland)</i>

11:00 AM–11:30 AM	COFFEE BREAK
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ECC Room 2		SPEED TALKS	
1:30 PM–3:00 PM		Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology	
1:30 PM–1:34 PM	P02-005-SP	<input type="checkbox"/>	Investigation of the G4 interactome using human protein microarrays <i>Slava Severov (Moscow, Russian Federation)</i>
1:34 PM–1:38 PM	P02-006-SP	<input type="checkbox"/>	Analysis of XCI mosaicism in the liver from a patient with OTC deficiency <i>Dita Musalkova (Prague, Czech Republic)</i>
1:38 PM–1:42 PM	P02-007-SP	<input type="checkbox"/>	DNA structural transitions upon dehydration of DNA solutions revealed by FTIR spectroscopy <i>Sofia Paston (St.Petersburg, Russian Federation)</i>
1:42 PM–1:46 PM	P02-008-SP	<input type="checkbox"/>	PRE-PIK3C2B: a Human PRE with a difference? <i>Jayant Maini (Delhi, India)</i>
1:46 PM–1:50 PM	P27-005-SP	<input type="checkbox"/>	Analysis and identification of circadian-regulated metabolic pathways in tumorigenesis <i>Luise Fuhr (Berlin, Germany)</i>
1:50 PM–1:54 PM	P27-006-SP	<input type="checkbox"/>	Transcriptomics-based approach to determine subchronic repeated-dose toxicity of M food in the small intestine of rats and associated in vitro models <i>Jutta Sharbati (Berlin, Germany)</i>
1:54 PM–1:58 PM	P27-007-SP	<input type="checkbox"/>	Circadian regulation of the immune system: a role in tumorigenesis <i>Mónica Abreu (Berlin, Germany)</i>
1:58 PM–2:02 PM	P27-008-SP	<input type="checkbox"/>	SJL mice immunized with epstein-barr virus antigen LMP1 develop autoantibodies towards myelin basic protein <i>Yakov Lomakin (Moscow, Russian Federation)</i>
ECC Room 3		SPEED TALKS	
1:30 PM–3:00 PM		From Chemical Biology to Molecular Medicine + Molecular Neuroscience	
1:30 PM–1:34 PM	P20-005-SP	<input type="checkbox"/>	Scorpion toxin fused with fluorescent protein is a novel probe to study potassium channels <i>Alexey Kuzmenkov (Moscow, Russian Federation)</i>
1:34 PM–1:38 PM	P20-006-SP	<input type="checkbox"/>	KcsA-Kv1.2 hybrid channel embedded in E. coli cell membrane: design, properties, applications <i>Oksana Nekrasova (Moscow, Russian Federation)</i>
1:38 PM–1:42 PM	P14-005-SP	<input type="checkbox"/>	Tetraphosphate cap analogues modified in polyphosphate bridge are inhibitors of Dcp1/2 decapping complex <i>Marcin Ziemniak (Warsaw, Poland)</i>
1:42 PM–1:46 PM	P14-006-SP	<input type="checkbox"/>	A genome-wide RNAi screen to dissect retrograde membrane traffic to the Golgi complex <i>Mariana Bexiga (Dublin, Ireland)</i>
1:46 PM–1:50 PM	P14-007-SP	<input type="checkbox"/>	How oncogenic mutations affect qualitative and quantitative wiring of signalling <i>Bertram Klingner (Berlin, Germany)</i>
1:50 PM–1:54 PM	P14-008-SP	<input type="checkbox"/>	A survey of the inhibition of Arf GTPases and their GEFs by small molecules <i>Sarah Benabdi (Cachan, France)</i>
Foyer		POSTER SESSION	
1:30 PM–3:00 PM		Poster Session 1 See page 55	

Convention Hall A/B	Chem Biol S1-II	SYMPOSIUM
3:00 PM–5:00 PM		Probing Cellular Function with Small Molecules (Part II) <i>Chairs: Guilio Superti-Furga (Vienna, Austria) Herbert Waldmann (Dortmund, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Hunting the Targets of Biologically Relevant Small Molecules <i>Herbert Waldmann (Dortmund, Germany)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> A chemical approach to cell division <i>Ulrike Eggert (London, United Kingdom)</i>
4:00 PM–4:30 PM		<input type="checkbox"/> Probing chemokine functions with neutraligands <i>Jean-Luc Galzi (Strasbourg, France)</i>
4:30 PM–4:45 PM		<input type="checkbox"/> High Content Screening for inhibitors of ERK1/2 nuclear translocation <i>Alexander Plotnikov (Rehovot, Israel)</i>
4:45 PM–5:00 PM		<input type="checkbox"/> Enzymatic phosphocholination as a tool for protein labeling <i>Aymelt Itzen (Garching, Germany)</i>
ECC Room 1	Gen EX S1-II	SYMPOSIUM
3:00 PM–5:00 PM		Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome (Part II) <i>Chair: Ann Ehrenhofer-Murray (Berlin, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Epigenetic transmission: establishment and inheritance of specialised chromatin <i>Robin Allshire (Edinburgh, United Kingdom)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> RNA:DNA hybrids as modulators of chromatin structure and genome instability <i>Andrés Aguilera (Sevilla, Spain)</i>
4:00 PM–4:30 PM		<input type="checkbox"/> The Architecture of Tetrahymena Telomerase Holoenzyme <i>Juli Feigon (Los Angeles, United States of America)</i>
4:30 PM–4:45 PM		<input type="checkbox"/> The sequence requirements for base J in DNA <i>Piet Borst (Amsterdam, Netherlands)</i>
4:45 PM–5:00 PM		<input type="checkbox"/> Signal regulated localisation of a mutagenic protein complex at the Igh locus <i>Thomas Grundström (Umeå, Sweden)</i>
ECC Room 2	Sys Biol S2-II	SYMPOSIUM
3:00 PM–5:00 PM		Molecular Clocks (Part II) <i>Chairs: Felix Naef (Lausanne, Switzerland) Michael Brunner (Heidelberg, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Transcriptional regulatory logic of the diurnal cycle <i>Felix Naef (Lausanne, Switzerland)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Transcriptional refractoriness is dependent on core promoter architecture <i>Michael Brunner (Heidelberg, Germany)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Feedback loops of the mammalian circadian clock constitute repressilator <i>Hanspeter Herzel (Berlin, Germany)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> Deregulation of circadian time and its correlation with tumour progression <i>Angela Relogio (Berlin, Germany)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Wave phenomena in embryonic patterning <i>Andrew Oates (London, United Kingdom)</i>

ECC Room 3	Mol Neu S1-II	SYMPOSIUM
3:00 PM–5:00 PM		Neuronal Ion Channels and their Role in Disease (Part II) <i>Chairs: Pierre-Jean Corringer (Paris, France) Andrew Plested (Berlin, Germany) Carmen Villmann (Würzburg, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Inhibitory synapse stability and plasticity in the light of super-resolution <i>Antoine Triller (Paris, France)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Chloride channel dysfunction in leukoencephalopathies <i>Raul Estevez (Barcelona, Spain)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Novel compounds acting on nicotinic acetylcholine receptors: from low molecular ones to peptides and proteins <i>Victor Tsetlin (Moscow, Russian Federation)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> The large intracellular loop of the human glycine receptor $\alpha 1$: It's not all about the size <i>Georg Langlhofer (Würzburg, Germany)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Gene Therapy Strategies for using Ion Channels to treat Disease <i>Stephanie Schorge (London, United Kingdom)</i>
Estrel Hall A	Mem Biol S1-II	SYMPOSIUM
3:00 PM–5:00 PM		Organelle Dynamics and Communication (Part II) <i>Chairs: Maya Schuldiner (Rehovot, Israel) Peter Rehling (Göttingen, Germany)</i>
3:00 PM–3:15 PM		<input type="checkbox"/> Proteomic analysis of the yeast mitochondrial ribosome <i>Michael Woellhaf (Kaiserslautern, Germany)</i>
3:15 PM–3:30 PM		<input type="checkbox"/> Coupling to partner proteins modulates functional specificity of Mdm10 in mitochondrial biogenesis <i>Thomas Becker (Freiburg, Germany)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Mitochondrial protein biogenesis <i>Peter Rehling (Göttingen, Germany)</i>
4:00 PM–4:30 PM		<input type="checkbox"/> Structure of a complete, active mitochondrial ATP synthase dimer by cryo-EM <i>Werner Kühlbrandt (Frankfurt am Main, Germany)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Novel insights into COPI-mediated retrieval of luminal ER-resident proteins <i>Blanche Schwappach (Göttingen, Germany)</i>

Estrel Hall C	Struct Biol S1-II	SYMPOSIUM
3:00 PM–5:00 PM		Mechanisms of Membrane Transport (Part II) <i>Chairs: Raimund Dutzler (Zurich, Switzerland) Irmgard Sinning (Heidelberg, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Forces acting on nascent polypeptide chains during co-translational protein translocation and folding <i>Nils Gunnar von Heijne (Stockholm, Sweden)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> How to couple translation with membrane translocation: cryo-EM studies of functional complexes <i>Roland Beckmann (Munich, Germany)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Structural characterisation of the ABC-transporter BmrA in nanodiscs environment <i>Yann Huon de Kermadec (Grenoble, France)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> Distinct conformational spectrum of homologous multidrug ABC transporters <i>Arne Moeller (Aarhus, Denmark)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Mechanisms of membrane protein biogenesis: the role of the SRP RNA <i>Irmgard Sinning (Heidelberg, Germany)</i>
5:00 PM–5:30 PM		COFFEE BREAK
Convention Hall A/B		OTHERS
5:30 PM–6:30 PM		GBM PhD Award & Karl Lohmann Award <i>Chair: Johannes Buchner (Munich, Germany)</i>
5:30 PM–5:35 PM		<input type="checkbox"/> Laudation <i>Roland Lill (Marburg, Germany)</i>
5:35 PM–5:55 PM		<input type="checkbox"/> GBM PhD Award RNA polymerase I structure and transcription regulation <i>Christoph Engel (Göttingen, Germany)</i>
5:55 PM–6:30 PM		<input type="checkbox"/> Karl Lohmann Award Mechanistic Characterization of 5' and 3' UTR RNA Elements that Regulate mRNA Decay and Translation <i>Kathrin Leppke (Stanford, United States of America)</i>
Convention Hall A/B		PLENARY LECTURE
6:30 PM–7:30 PM		Otto Warburg Lecture & Medal <i>Chair: Johannes Buchner (Munich, Germany)</i>
6:30 PM–6:40 PM		<input type="checkbox"/> Laudation and Award Ceremony <i>Johannes Buchner (Munich, Germany)</i>
6:40 PM–7:30 PM		<input type="checkbox"/> Mitochondrial machineries for import and assembly of proteins <i>Nikolaus Pfanner (Freiburg, Germany)</i>

	Convention Hall A/B	ECC Room 1	ECC Room 2	ECC Room 3	Estrel Hall A	Estrel Hall C	
8:30 AM–11:00 AM	Symposium RNA-Based Disease Mechanism and Therapy (Part I)	Symposium Translational Control and Protein Turnover (Part I)	Symposium Comprehensive Models of Metabolism and Signaling (Part I)	Symposium Degeneration and Ageing of the Nervous System (Part I)	Symposium Autophagy and Degradation (Part I)	Symposium Protein-Mediated Membrane Deformation and Penetration (Part I)	
9:00 AM							9:00 AM
10:00 AM							10:00 AM
11:00 AM	Coffee Break						11:00 AM
11:30 AM–12:30 PM	Plenary Lecture FEBS/EBMO Women in Science Award						
12:00 PM							12:00 PM
1:00 PM	Lunch Break/ Women in Science Luncheon at Orangerie						1:00 PM
1:30 PM–3:00 PM	Speed Talks Membranes, Receptors & Bioenergetics + Structural Biology and Biophysics	Speed Talks Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology	Speed Talks From Chemical Biology to Molecular Medicine + Molecular Neuroscience	Poster Session 1 in Foyer Convention Center			
2:00 PM							2:00 PM
3:00 PM–5:00 PM	Symposium RNA-Based Disease Mechanism and Therapy (Part II)	Symposium Translational Control and Protein Turnover (Part II)	Symposium Comprehensive Models of Metabolism and Signaling (Part II)	Symposium Degeneration and Ageing of the Nervous System (Part II)	Symposium Autophagy and Degradation (Part II)	Symposium Protein-Mediated Membrane Deformation and Penetration (Part II)	
3:00 PM							3:00 PM
4:00 PM							4:00 PM
5:00 PM	Coffee Break						5:00 PM
5:30 PM–6:30 PM	Plenary Lecture FEBS Theodor Bücher Lecture						
6:00 PM							6:00 PM
6:30 PM–7:30 PM	Plenary Lecture Fritz Lipmann Lecture						
7:00 PM							7:00 PM

Convention Hall A/B	Chem Biol S4-I	SYMPOSIUM
8:30 AM–11:00 AM		RNA-Based Disease Mechanism and Therapy (Part I)
	<i>Chairs:</i>	<i>Gideon Dreyfuss (Philadelphia, United States of America)</i> <i>Albert Jeltsch (Stuttgart, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	enigmRBPs pointing to a new function of the genome? <i>Matthias Hentze (Heidelberg, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	A toolbox for manipulating the miRNA pathway <i>Petr Svoboda (Prague, Czech Republic)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Dnmt2-mediated resistance to nitrosative stress in the human parasite <i>Entamoeba histolytica</i> <i>Serge Ankri (Haifa, Israel)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	miR-25-3p contributes to deregulated levels of ITGA5 and COL5A1 in renal cancer, possibly influencing cancerous adhesion. <i>Katarzyna Rodzik (Warsaw, Poland)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	mRNA Metabolism and Neurodevelopmental Diseases <i>Utz Fischer (Würzburg, Germany)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Role of tRNA cytosine-C5 methylation in protein biosynthesis and disease <i>Albert Jeltsch (Stuttgart, Germany)</i>

ECC Room 1	Gen Ex S3-I	SYMPOSIUM
8:30 AM–11:00 AM		Translational Control and Protein Turnover (Part I)
	<i>Chair:</i>	<i>David Ron (Cambridge, United Kingdom)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Structural views on translation <i>Nenad Ban (Zurich, Switzerland)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Mechanisms for detecting and degrading mislocalized proteins <i>Ramanujan Hegde (Cambridge, United Kingdom)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Functional characteristics of a translational silencing element in the mRNA of IκBζ <i>Gesine Behrens (Hannover, Germany)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	A short internal ORF in the leaf necrosis associated factor gene encodes a novel peptide controlling maternal mRNA accumulation <i>Ekaterina Sheshukova (Moscow, Russian Federation)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Control of protein synthesis by the integrated stress response <i>David Ron (Cambridge, United Kingdom)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	PKR-dependent translational arrest versus type-I Interferon production <i>Philippe Pierre (Marseille, France)</i>

ECC Room 2	Sys Biol S3-I	SYMPOSIUM
8:30 AM–11:00 AM		Comprehensive Models of Metabolism and Signaling (Part I)
	<i>Chairs:</i>	<i>Walter Kolch (Dublin, Ireland)</i> <i>Edda Klipp (Berlin, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Integrated regulation of yeast cell cycle and growth <i>Edda Klipp (Berlin, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	A Systems Medicine Approach to Anemia Treatment in Lung Cancer <i>Ursula Klingmüller (Heidelberg, Germany)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	A switch rewired: exploring the impact of natural and aberrant structure alterations in Ras GTPases-mediated signaling networks through structural bioinformatics <i>Francesco Raimondi (Heidelberg, Germany)</i>

9:45 AM–10:00 AM	<input type="checkbox"/>	Targeting ERK: in search of downstream targets <i>Evrin Besray Unal (Berlin, Germany)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Feedbacks in signalling shape drug resistance <i>Nils Blüthgen (Berlin, Germany)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	An integrated view of Ras signalling from different subcellular compartments <i>Walter Kolch (Dublin, Ireland)</i>

ECC Room 3	Mol Neu S3-I	SYMPOSIUM
8:30 AM–11:00 AM		Degeneration and Ageing of the Nervous System (Part I)
	<i>Chairs:</i>	<i>Bart De Strooper (Leuven, Belgium)</i> <i>Christian Haass (Munich, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	eta-Secretase processing of APP inhibits hippocampal neuronal activity <i>Christian Haass (Munich, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Regulation of GPR3 function in Alzheimer's Disease <i>Amantha Thathiah (Leuven, Belgium)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Determination of the size of the primary and secondary folding nuclei of Abeta40 and Abeta42 protofibrils from the concentration dependence of the rate and the lag-time of their formation <i>Oxana Galzitskaya (Pushchino, Russian Federation)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Loss of neuronal AP-2 compromises neurotrophin signalling and impairs dendritogenesis <i>Natalia Kononenko (Berlin, Germany)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Microtubule-associated protein Tau: Toxicity and rescue in animal models of tauopathy <i>Eva-Maria Mandelkow (Bonn, Germany)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Toxicity mechanisms in C9orf72-mediated neurodegeneration <i>Adrian Isaacs (London, United Kingdom)</i>

Estrel Hall A	Mem Biol S2-I	SYMPOSIUM
8:30 AM–11:00 AM		Autophagy and Degradation (Part I)
	<i>Chairs:</i>	<i>David C. Rubinsztein (Cambridge, United Kingdom)</i> <i>Ivan Dikic (Frankfurt am Main, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Non-canonical Autophagy <i>David C. Rubinsztein (Cambridge, United Kingdom)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Selective autophagy in the cellular response to stress <i>Ana Maria Cuervo (New York, United States of America)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Function of flotillins in endosomal sorting of cargo proteins <i>Ritva Tikkanen (Giessen, Germany)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	CUL3-KBTBD6/KBTBD7 ubiquitin E3 ligase cooperates with ubiquitin-like GABARAP proteins to spatially restrict TIAM1-RAC1 signalling <i>Christian Behrends (Frankfurt am Main, Germany)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Relationship between fatty acid synthesis, lipid droplets and autophagy <i>Zvulun Elazar (Rehovot, Israel)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Molecular mechanisms and physiological relevance of autophagosome-lysosome fusion in Drosophila <i>Gabor Juhasz (Budapest, Hungary)</i>

Estrel Hall C	Struct Biol S3-I	SYMPOSIUM
8:30 AM–11:00 AM		Protein-Mediated Membrane Deformation and Penetration (Part I)
	Chair:	<i>Thomas Wollert (Martinsried, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Structure and Function of Dynamin Superfamily Proteins <i>Oliver Daumke (Berlin, Germany)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Release of loaded ESCRT-III spiral springs drives membrane deformation <i>Aurelién Roux (Geneva, Switzerland)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> The structure of the COPI coated vesicles by cryo-electron tomography and subtomogram averaging <i>Svetlana Dodonova (Heidelberg, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Structural study of nervous wreck autoinhibition <i>Olga Sokolova (Moscow, Russian Federation)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Mechanisms of Secretion in Gram-negative Bacterial Pathogens <i>Gabriel Waksman (London, United Kingdom)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> How to kill a mocking bug – Structural Insights into Tc toxin complex action <i>Stefan Raunser (Dortmund, Germany)</i>
11:00 AM–11:30 AM		COFFEE BREAK
Convention Hall A/B		PLENARY LECTURE
11:30 AM–12:30 PM		FEBS EMBO Women in Science Award
	Chairs:	<i>Isabel Bäurle (Potsdam, Germany)</i> <i>Irmgard Sinning (Heidelberg, Germany)</i> <i>Cecilia M. Arraiano (Oeiras, Portugal)</i> <i>Gerlind Wallon (Heidelberg, Germany)</i>
11:30 AM–11:45 AM		<input type="checkbox"/> Laudation <i>Isabel Bäurle (Potsdam, Germany)</i>
11:45 AM–12:30 PM		<input type="checkbox"/> Epigenetic switching in seasonal timing <i>Caroline Dean (Norwich, United Kingdom)</i>
12:30 PM–1:30 PM		LUNCH BREAK/WOMEN IN SCIENCE LUNCHEON
ECC Room 1		SPEED TALKS
1:30 PM–3:00 PM		Membranes, Receptors & Bioenergetics + Structural Biology and Biophysics
1:30 PM–1:34 PM	P09-005-SP	<input type="checkbox"/> Glutathione depletion in spermatogonia-type germ cells: Autophagy and Ago2 function <i>Hector Mancilla (Valdivia, Chile)</i>
1:34 PM–1:38 PM	P09-007-SP	<input type="checkbox"/> ERK- and AMPK-mediated autophagy protects Burkitt lymphoma cells from oxidative stress by increasing the activity of the ROS transforming enzymes SOD1, SOD2 and catalase <i>Katrin Birkenmeier (Frankfurt am Main, Germany)</i>
1:38 PM–1:42 PM	P09-006-SP	<input type="checkbox"/> The dual role of proteases in regulation of autophagic cell death <i>Boris Khalfin (Beer-Sheva, Israel)</i>
1:42 PM–1:46 PM	P33-004-SP	<input type="checkbox"/> Serotonin transporter associated protein complexes – new insight into transporter activity regulation and trafficking <i>Jana Haase (Dublin, Ireland)</i>
1:50 PM–1:54 PM	P33-005-SP	<input type="checkbox"/> Influence of membrane cholesterol in the molecular evolution and functional regulation of TRPV4 <i>Chandan Goswami (Bhubaneswar, India)</i>

1:54 PM–1:58 PM	P33-006-SP	<input type="checkbox"/> The role of the MIM complex in the biogenesis of mitochondrial outer membrane proteins <i>Christoph Mårtensson (Freiburg, Germany)</i>
1:58 PM–2:02 PM	P34-005-SP	<input type="checkbox"/> Structural and physicochemical studies of the fusion mechanisms and assembly of Hepatitis C virus <i>Antonio Casalinho (Rio de Janeiro, Brazil)</i>
2:02 PM–2:06 PM	P34-006-SP	<input type="checkbox"/> Lipid interactions of integral membrane proteins: Rapid evaluation by a synthetic biology approach <i>Frank Bernhard (Frankfurt am Main, Germany)</i>
2:06 PM–2:10 PM	P34-007-SP	<input type="checkbox"/> Effect of 3',6-diNonylneamine, an amphiphilic aminoglycoside derivative, on <i>Pseudomonas aeruginosa</i> 's shape and membrane integrity <i>Micheline El Khoury (Brussels, Belgium)</i>
2:10 PM–2:14 PM	P10-003-SP	<input type="checkbox"/> The specificity of thioredoxins and glutaredoxins is determined by electrostatic and geometric complementarity and not by redox potential <i>Christopher Horst Lillig (Greifswald, Germany)</i>
2:14 PM–2:18 PM	P10-004-SP	<input type="checkbox"/> G6PC3 deficient human white blood cells exhibit distinct endoplasmic reticulum stress response <i>Rebeka Pittner (Budapest, Hungary)</i>
2:18 PM–2:22 PM	P10-005-SP	<input type="checkbox"/> Redox regulation of Na,K-ATPase activity at pathological conditions <i>Irina Petrushanko (Moscow, Russian Federation)</i>
2:22 PM–2:26 PM	P10-006-SP	<input type="checkbox"/> Unfolded protein response to the hypercholesterolemia induced endoplasmic reticulum stress in atherosclerosis <i>Perinur Bozaykut (Istanbul, Turkey)</i>
ECC Room 2		SPEED TALKS
1:30 PM–3:00 PM		Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology
1:30 PM–1:34 PM	P28-006-SP	<input type="checkbox"/> Modeling TNFR1 signal transduction using Petri net formalism <i>Leonie Amstein (Frankfurt am Main, Germany)</i>
1:34 PM–1:38 PM	P28-007-SP	<input type="checkbox"/> Sensor kinases TOR and GCN2 orchestrate translation and autophagy in response to carbon, nitrogen and sulfur supply for cysteine synthesis in plants <i>Yihan Dong (Heidelberg, Germany)</i>
1:38 PM–1:42 PM	P28-008-SP	<input type="checkbox"/> Towards genome wide reconstruction and validation of signal transduction networks <i>Marcus Krantz (Berlin, Germany)</i>
1:42 PM–1:46 PM	P04-005-SP	<input type="checkbox"/> Mechanistic dissection of the early phase of UsnRNP biogenesis uncovers a role of ribosomes in assembly and RNP homeostasis <i>Rajyalakshmi Meduri (Würzburg, Germany)</i>
1:46 PM–1:50 PM	P04-006-SP	<input type="checkbox"/> The Ubiquitin-Proteasome System as a central regulator of cellular antioxidant responses, mitostasis and proteostasis <i>Ioannis Trougakos (Athens, Greece)</i>
1:50 PM–1:54 PM	P04-007-SP	<input type="checkbox"/> Cardiac sympathetic neuron distribution controls myocardial cell size by local modulation of cardiomyocyte proteostasis <i>Nicola Pianca (Padova, Italy)</i>
1:54 PM–1:58 PM	P04-008-SP	<input type="checkbox"/> Stat1 stimulates cap-independent mRNA translation to inhibit proliferation and promote survival in response to anti-tumor drugs <i>Antonis Koromilas (Montreal, Canada)</i>
1:58 PM–2:02 PM	P03-003-SP	<input type="checkbox"/> A PARP1-ERK2 synergism is required for the induction of synaptic plasticity <i>Malka Cohen-Armon (Tel-Aviv, Israel)</i>
2:02 PM–2:06 PM	P03-004-SP	<input type="checkbox"/> DNA damage response: Mechanism of transcriptional regulation by p53 leading to cell cycle arrest <i>Kurt Engeland (Leipzig, Germany)</i>

2:06 PM–2:10 PM	P03-006-SP	<input type="checkbox"/> Programmed translation arrest controlling antibiotic resistance genes relies on the sequence context of the nascent peptide stalling domain <i>Nora Vazquez-Laslop (Chicago, United States of America)</i>
ECC Room 3		
SPEED TALKS		
1:30 PM–3:00 PM		
From Chemical Biology to Molecular Medicine + Molecular Neuroscience		
1:30 PM–1:34 PM	P22-005-SP	<input type="checkbox"/> Defective cross-talk between the ubiquitin proteasome system and the autophagy lysosomal pathway under proteasome stress in aged rat hippocampus <i>Diego Ruano (Sevilla, Spain)</i>
1:34 PM–1:38 PM	P22-006-SP	<input type="checkbox"/> Molecular links between aberrant protein oligomers and neurodegeneration in Alzheimer's disease <i>Roberta Cascella (Florence, Italy)</i>
1:38 PM–1:42 PM	P22-007-SP	<input type="checkbox"/> The dysfunction of retrograde transport is sufficient to disrupt A β clearance in astrocytes via disturbed endosome trafficking <i>Nobuyuki Kimura (Aichi, Japan)</i>
1:42 PM–1:46 PM	P22-008-SP	<input type="checkbox"/> Label free quantitative proteomic analysis of astrocytes directly converted to neurons <i>Hendrik Schöneborn (Bochum, Germany)</i>
1:46 PM–1:50 PM	P21-003-SP	<input type="checkbox"/> The small GTPase RAB6 regulates localization of the Cohen syndrome-associated protein COH1 to the Golgi complex <i>Wenke Seifert (Berlin, Germany)</i>
1:50 PM–1:54 PM	P21-004-SP	<input type="checkbox"/> Neuronal NOS is involved in the neuronal differentiation of hippocampal neural progenitor cells <i>Shin-Young Park (Seoul, Republic of Korea)</i>
1:54 PM–1:58 PM	P21-005-SP	<input type="checkbox"/> Role of hippocalcin in early developmental stage of hippocampal neurogenesis <i>Min-Jeong Kang (Seoul, Republic of Korea)</i>
1:58 PM–2:02 PM	P21-006-SP	<input type="checkbox"/> SNX482 inhibits semaphorin 3A induced sensory axon growth cone collapse <i>Andrius Kaselis (Kaunas, Lithuania)</i>
2:02 PM–2:06 PM	P21-014	<input type="checkbox"/> Targetting PTEN and associated signalling networks in axonogenesis <i>Paloma Goni-Oliver (Berlin, Germany)</i>
2:06 PM–2:10 PM	P17-005-SP	<input type="checkbox"/> The role of microRNA cluster MIR23A–27A–24-2 in the development of aggressive B-cell lymphoma <i>Natalie Klytta (Braunschweig, Germany)</i>
2:10 PM–2:14 PM	P17-006-SP	<input type="checkbox"/> miR-155 modulates IFN γ signaling pathway by targeting SOCS1 expression in biliary atresia <i>Yu-An Hsu (Hsinchu, Republic of China)</i>
2:14 PM–2:18 PM	P17-007-SP	<input type="checkbox"/> miRNA target enrichment network analysis in Hepatocellular carcinoma <i>Devis Pascut (Trieste, Italy)</i>
2:18 PM–2:22 PM	P17-008-SP	<input type="checkbox"/> Anti-miRNA zymes as a potential tool for therapy of brain tumors <i>Katarzyna Rolle (Poznan, Poland)</i>
2:22 PM–2:26 PM	P15-004-SP	<input type="checkbox"/> Breast cancer cell line MCF7 escapes from G1/S arrest induced by proteasome inhibition through a GSK-3 β dependent mechanism <i>Paula Daza (Sevilla, Spain)</i>
2:26 PM–2:30 PM	P15-005-SP	<input type="checkbox"/> Intracellular lysogens to augment the anti-tumoral efficacy of targeted toxins <i>Alexander Weng (Berlin, Germany)</i>
2:30 PM–2:34 PM	P15-006-SP	<input type="checkbox"/> Molecular engineering of L-asparaginases used in antileukemic therapy <i>Manfred Konrad (Göttingen, Germany)</i>
Foyer		
POSTER SESSION		
1:30 PM–3:00 PM		
Poster Session 1		
See page 55		

Convention Hall A/B		
Chem Biol S4-II		
SYMPOSIUM		
3:00 PM–5:00 PM		
RNA-Based Disease Mechanism and Therapy (Part II)		
<i>Chairs: Gideon Dreyfuss (Philadelphia, United States of America) Albert Jeltsch (Stuttgart, Germany)</i>		
3:00 PM–3:30 PM	<input type="checkbox"/> Telescripting: Overarching Gene Expression Mechanism Controlled by U1 snRNP <i>Gideon Dreyfuss (Philadelphia, United States of America)</i>	
3:30 PM–4:00 PM	<input type="checkbox"/> Kinetics of mRNA biogenesis <i>Maria Carmo-Fonseca (Lisbon, Portugal)</i>	
4:00 PM–4:15 PM	<input type="checkbox"/> MicroRNA and alternative splicing regulate the expression of SRSF2 in renal cancer <i>Elzbieta Sokol (Warsaw, Poland)</i>	
4:15 PM–4:30 PM	<input type="checkbox"/> Cytoplasmic Polyadenylation Binding Proteins binds to the mRNA of insulin receptor impairing the expression of the protein in mouse kidney in diabetic conditions <i>Moisés Sandoval (Valdivia, Chile)</i>	
4:30 PM–5:00 PM	<input type="checkbox"/> Networks of alternative splicing regulation in cancer <i>Juan Valcárcel (Barcelona, Spain)</i>	
ECC Room 1		
Gen Ex S3-II		
SYMPOSIUM		
3:00 PM–5:00 PM		
Translational Control and Protein Turnover (Part II)		
<i>Chair: Zoya Ignatova (Potsdam, Germany)</i>		
3:00 PM–3:30 PM	<input type="checkbox"/> Antibiotics and translation <i>Alexander Mankin (Chicago, United States of America)</i>	
3:30 PM–4:00 PM	<input type="checkbox"/> Genome-wide translational profiling <i>Niccholas Ingolia (San Francisco, United States of America)</i>	
4:00 PM–4:15 PM	<input type="checkbox"/> Structural landscape of actively translating human ribosome <i>Tanya Budkevych (Berlin, Germany)</i>	
4:15 PM–4:30 PM	<input type="checkbox"/> mTORC2 balances Akt activation and eIF2 α serine 51 phosphorylation to promote survival under stress <i>Antonis Koromilas (Montreal, Canada)</i>	
4:30 PM–5:00 PM	<input type="checkbox"/> tRNA function in adaptive translation and disease <i>Zoya Ignatova (Potsdam, Germany)</i>	
ECC Room 2		
Sys Biol S3-II		
SYMPOSIUM		
3:00 PM–5:00 PM		
Comprehensive Models of Metabolism and Signaling (Part II)		
<i>Chairs: Walter Kolch (Dublin, Ireland) Edda Klipp (Berlin, Germany)</i>		
3:00 PM–3:30 PM	<input type="checkbox"/> Further steps in modeling cancer metabolism <i>Eytan Ruppin (Tel Aviv, Israel)</i>	
3:30 PM–4:00 PM	<input type="checkbox"/> Regulation of metabolism: from steady state to dynamics <i>Bas B. Teusink (Amsterdam, Netherlands)</i>	
4:00 PM–4:15 PM	<input type="checkbox"/> Inborn errors in fatty-acid metabolism: living on the edge <i>Karen van Eunen (Groningen, Netherlands)</i>	
4:15 PM–4:30 PM	<input type="checkbox"/> Metabolome profiling of the sleeping chironomid: restarting the cell engine after anhydrobiosis <i>Elena Shagimardanova (Kazan, Russian Federation)</i>	
4:30 PM–5:00 PM	<input type="checkbox"/> Understanding host-microbe metabolic interactions through computational modeling <i>Ines Thiele (Belval, Luxembourg)</i>	

ECC Room 3	Mol Neu S3-II	SYMPOSIUM
3:00 PM–5:00 PM		
	Chairs:	Degeneration and Ageing of the Nervous System (Part II)
		<i>Bart De Strooper (Leuven, Belgium)</i> <i>Christian Haass (Munich, Germany)</i>
3:00 PM–3:30 PM	<input type="checkbox"/>	The pathobiology of the secretases in Alzheimer disease <i>Bart De Strooper (Leuven, Belgium)</i>
3:30 PM–4:00 PM	<input type="checkbox"/>	Insulin-nutrient signaling axis promotes amyloid formation <i>Lawrence Rajendran (Schlieren, Switzerland)</i>
4:00 PM–4:15 PM	<input type="checkbox"/>	Genetic and physiological cross-talk of parkin with the neurotrophic GDNF receptor Ret in dopaminergic neurons <i>Edgar Kramer (Hamburg, Germany)</i>
4:15 PM–4:30 PM	<input type="checkbox"/>	Neurovascular coupling mediated by nitric oxide: mechanisms in Alzheimer disease, aging and metabolic acidosis <i>João Laranjinha (Coimbra, Portugal)</i>
4:30 PM–5:00 PM	<input type="checkbox"/>	Protein aggregation and its toxic effect in neurodegenerative diseases <i>Maria Grazia Spillantini (Cambridge, United Kingdom)</i>

Estrel Hall A	Mem Biol S2-II	SYMPOSIUM
3:00 PM–5:00 PM		
	Chairs:	Autophagy and Degradation (Part II)
		<i>David C. Rubinsztein (Cambridge, United Kingdom)</i> <i>Ivan Dikic (Frankfurt am Main, Germany)</i>
3:00 PM–3:30 PM	<input type="checkbox"/>	Regulation of endoplasmic reticulum turnover by selective autophagy <i>Ivan Dikic (Frankfurt am Main, Germany)</i>
3:30 PM–4:00 PM	<input type="checkbox"/>	Molecular mechanisms of autophagosome formation <i>Sharon Tooze (London, United Kingdom)</i>
4:00 PM–4:15 PM	<input type="checkbox"/>	Organisation of Atg8 lipidation by Atg21 <i>Roswitha Krick (Göttingen, Germany)</i>
4:15 PM–4:30 PM	<input type="checkbox"/>	Implications of PINK1-mediated ubiquitin Ser65 phosphorylation <i>Tobias Wauer (Cambridge, United Kingdom)</i>
4:30 PM–5:00 PM	<input type="checkbox"/>	WIPI Proteins: Essential PtdIns3P Effectors in Autophagy, Health and Disease <i>Tassula Proikas-Cezanne (Tübingen, Germany)</i>

Estrel Hall C	Struct Biol S3-II	SYMPOSIUM
3:00 PM–5:00 PM		
	Chair:	Protein-Mediated Membrane Deformation and Penetration (Part II)
		<i>Oliver Daumke (Berlin, Germany)</i>
3:00 PM–3:30 PM	<input type="checkbox"/>	How to make an Autophagosome – Membrane Remodeling in Autophagy <i>Thomas Wollert (Martinsried, Germany)</i>
3:30 PM–4:00 PM	<input type="checkbox"/>	Visualizing the Mechanisms of Membrane Remodeling – One Family at a Time <i>Vinzenz M. Unger (Chicago, United States of America)</i>
4:00 PM–4:15 PM	<input type="checkbox"/>	Function of AP-3 (Adaptor protein complex 3) in membrane remodelling and fusion <i>Erdal Yavavli (Osnabrück, Germany)</i>
4:15 PM–4:30 PM	<input type="checkbox"/>	Characterization of arrested trans SNARE complexes <i>Halenur Yavuz (Göttingen, Germany)</i>
4:30 PM–5:00 PM	<input type="checkbox"/>	Multisubunit tethering complexes orchestrate vesicle docking and fusion <i>Frederick Hughson (Princeton, United States of America)</i>

5:00 PM–5:30 PM	COFFEE BREAK	
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Convention Hall A/B	PLENARY LECTURE
5:30 PM–6:30 PM	
	FEBS Theodor Bücher Lecture
	Chair: <i>Laszlo Fesus (Debrecen, Hungary)</i>
	<input type="checkbox"/> Laudation
	<input type="checkbox"/> Comprehensive proteomics and its application to signaling and clinical problems <i>Matthias Mann (Martinsried, Germany)</i>
6:30 PM–7:30 PM	
	Fritz Lipmann Lecture
	Chair: <i>Roger Goody (Dortmund, Germany)</i>
	<input type="checkbox"/> Laudation
	<input type="checkbox"/> Chromosome Structure and Its Relationship to Gene Regulation <i>Barbara Meyer (Berkeley, United States of America)</i>

	Convention Hall A/B	ECC Room 1	ECC Room 2	ECC Room 3	Estrel Hall A	Estrel Hall C	
8:30 AM–11:00 AM	Symposium Targeted Cancer Therapy	Symposium Turning Signals into Messages – the Complexity of Gene Regulation	Symposium Interspecies Communications	Symposium Mechanisms of Nervous System Development and Regeneration	Symposium Redox-Regulation of Biological Activities	Symposium Channels and Transporters	
9:00 AM							9:00 AM
10:00 AM							10:00 AM
11:00 AM			Coffee Break				11:00 AM
11:30 AM–12:30 PM	Plenary Lecture PABMB Lecture						
12:00 PM							12:00 PM
Lunch Break		12:30 PM–2:30 PM		Lunch Break			
1:00 PM	1:00 PM–3:00 PM	Industry Symposium Wako Pure Chemical Industries, Ltd.: Novel application and technology for research of Non-coding RNA (miRNA and lncRNA), protein tagging system, protein phosphorylation and, novel transfection technologies based on using combinatorial chemistry and high-throughput cell screening		1:30 PM–3:00 PM			1:00 PM
2:00 PM	Special Session/ Workshop FEBS Education Session: Research in Undergraduate Education			Poster Session 2 in Foyer Convention Center			2:00 PM
3:00 PM	3:00 PM–5:00 PM						3:00 PM
4:00 PM	Special Session/ Workshop FEBS Science & Society Session Evolutionary Medicine: Why We Get Sick						4:00 PM
5:00 PM			Coffee Break				5:00 PM
5:30 PM–7:30 PM	5:30 PM–7:30 PM	5:30 PM–7:30 PM					
6:00 PM	Special Session/ Workshop Data Management & Reproducibility	Special Session/ Workshop FEBS Women in Science Session					6:00 PM
7:00 PM							7:00 PM

Poster Foyer Convention Center

Convention Hall A/B	Chem Biol S2	SYMPOSIUM
8:30 AM–11:00 AM		Targeted Cancer Therapy
	Chairs:	<i>Clemens Schmitt (Berlin, Germany)</i> <i>Roger Lo (Los Angeles, United States of America)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Systematic functional perturbations to reveal novel cancer vulnerabilities <i>Daniel Peeper (Amsterdam, Netherlands)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Evading anti-tumor immunity: a novel role for FAK in controlling Tregs via transcription of cytokine networks <i>Margaret Frame (Edinburgh, United Kingdom)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Autophagy is pivotal for Hodgkin's and Reed-Sternberg cells' survival revealing a new strategy for lymphoma treatment <i>Katrin Birkenmeier (Frankfurt am Main, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> DNA repair protein Rad51 is strongly affected by abl-mediated double phosphorylation on Y315 and Y54 <i>Brendan Alligand (Nantes, France)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Evolution of Melanoma to Targeted Therapies <i>Roger Lo (Los Angeles, United States of America)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Targeting Senescence in Cancer Therapy <i>Clemens Schmitt (Berlin, Germany)</i>
ECC Room 1	Gen Ex S2	SYMPOSIUM
8:30 AM–11:00 AM		Turning Signals into Messages – the Complexity of Gene Regulation
	Chairs:	<i>Christine Blattner (Karlsruhe, Germany)</i> <i>Frank C.P. Holstege (Utrecht, Netherlands)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Sequence and chromatin determinants of DNA methylation <i>Dirk Schübeler (Basel, Switzerland)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Epigenetic genome control by RNA processing factors and heterochromatin machinery <i>Shiv Grewal (Bethesda, United States of America)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Disentangling the gene-regulatory network controlling mono-allelic and female-specific expression of Xist at the onset of X-chromosome inactivation <i>Edda Schulz (Berlin, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Non-classic effects in stochastic gene expression <i>Tatiana Marquez Lago (Onna-son, Japan)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> The estrogen-inducible finger-protein TRIM25 controls p53 abundance and activity <i>Christine Blattner (Karlsruhe, Germany)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Analysing regulatory circuitry by genome-wide perturbation analyses <i>Frank C. P. Holstege (Utrecht, Netherlands)</i>

ECC Room 2	Sys Biol S1	SYMPOSIUM
8:30 AM–11:00 AM		Interspecies Communications
	<i>Chairs:</i>	<i>Peer Bork (Heidelberg, Germany)</i> <i>Jörg Vogel (Würzburg, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Metagenomic analysis of microbial communities: from gut to ocean <i>Peer Bork (Heidelberg, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	'Currency' exchange underlying the long-term association between squid and bioluminescent bacteria <i>Natacha Kremer (Madison, United States of America)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Genetic dissection of the potential pattern recognition receptor IGLR-2 for Enterohemorrhagic Escherichia coli immunity in Caenorhabditis elegans <i>Chang-Shi Chen (Tainan, Republic of China)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Role of the intestinal Muc2 mucin in the Vibrio cholerae quorum sensing responses along the intestinal tract <i>Robert Rojas (Santiago, Chile)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Quorum Sensing and its Control <i>Bonnie L. Bassler (Princeton, United States of America)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Dual RNA-seq unveils noncoding RNA functions in Salmonella-host interplay <i>Jörg Vogel (Würzburg, Germany)</i>

ECC Room 3	Mol Neu S2	SYMPOSIUM
8:30 AM–11:00 AM		Mechanisms of Nervous System Development and Regeneration
	<i>Chairs:</i>	<i>Frank Bradke (Bonn, Germany)</i> <i>Britta Eickholt (Berlin, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Transcriptome Network Analysis Identifies Cacna2d2 as a Developmental Switch that Limits Regenerative Ability in the Adult CNS <i>Frank Bradke (Bonn, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Nerve fiber growth, new circuit formation and functional recovery after brain and spinal cord injuries <i>Martin Schwab (Zurich, Switzerland)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Manipulating recycling endosomes to increase axon regeneration in the CNS <i>Richard Eva (Cambridge, United Kingdom)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Loss of Sad kinases results in different phenotypes during hippocampal and cortical development <i>Pratibha Dhumale (Muenster, Germany)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	The Importins of Axonal Transport in Neuronal Growth and Regeneration <i>Michael Fainzilber (Rehovot, Israel)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Organizing PI3K/PTEN signaling in space and time: Implication for neuronal development and regeneration <i>Britta Eickholt (Berlin, Germany)</i>

Estrel Hall A	Mem Biol S3	SYMPOSIUM
8:30 AM–11:00 AM		Redox-Regulation of Biological Activities
	<i>Chairs:</i>	<i>Johannes Herrmann (Kaiserslautern, Germany)</i> <i>Vadim N. Gladyshev (Boston, United States of America)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	A multi-layered redox system protects proteins from oxidation in the bacterial cell envelope <i>Jean Francois Collet (Brussels, Belgium)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Oxidative folding of cone snail toxins by specialized venom gland protein disulfide isomerases <i>Lars Ellgaard (Copenhagen, Denmark)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	SEPN1, an endoplasmic reticulum-localized selenoprotein, counteracts hyperoxidation by means of redox-regulating SERCA2 pump activity <i>Ester Zito (Milan, Italy)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Calmodulin-sensitive NAD kinase controls animal NADP biosynthesis <i>Mathias Ziegler (Bergen, Norway)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Diverse and unexpected mechanisms of redox control <i>Vadim N. Gladyshev (Boston, United States of America)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Redox-mediated protein import into mitochondria <i>Johannes Herrmann (Kaiserslautern, Germany)</i>

Estrel Hall C	Struct Biol S2	SYMPOSIUM
8:30 AM–11:00 AM		Channels and Transporters
	<i>Chairs:</i>	<i>Poul Nissen (Aarhus, Denmark)</i> <i>Lutz Schmitt (Düsseldorf, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Structure and mechanism of a bacterial multi-drug efflux pump <i>Ben Luisi (Cambridge, United Kingdom)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Structure and mechanism of Na ⁺ dependent transporters <i>Poul Nissen (Aarhus, Denmark)</i>
9:30 AM–10:00 AM	<input type="checkbox"/>	Mechanisms of vitamin transport <i>Dirk J. Slotboom (Groningen, Netherlands)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Crystal Structure of the Transport Unit of Auto Transporter AIDA I from E. coli <i>Lutz Schmitt (Düsseldorf, Germany)</i>
10:30 AM–10:45 AM	<input type="checkbox"/>	First structural insights in the opening of Channelrhodopsin-2 <i>Nils Krause (Berlin, Germany)</i>
10:45 AM–11:00 AM	<input type="checkbox"/>	Evolutionary divergent lysine regulates electrostatic stoichiometric coupling and voltage dependence of the chloride/proton exchanger ClC-5 <i>Alexi Alekov (Hannover, Germany)</i>

11:00 AM–11:30 AM COFFEE BREAK

Convention Hall A/B **PLENARY LECTURE**

11:30 AM–12:30 PM	PABMB Lecture
	<i>Chair:</i> <i>Markus Wahl (Berlin, Germany)</i>
11:30 AM–11:45 AM	<input type="checkbox"/> Laudation
11:45 AM–12:30 PM	<input type="checkbox"/> DNA damage and chromatin structure regulate alternative splicing through the control of RNA polymerase II elongation <i>Alberto R. Kornblihtt (Buenos Aires, Argentina)</i>

12:30 PM–1:00 PM LUNCH BREAK

ECC Room 1	INDUSTRY SYMPOSIUM
12:30 PM–2:30 PM	<p>Wako Pure Chemical Industries, Ltd.: Novel application and technology for research of Non-coding RNA (miRNA and lncRNA), protein tagging system, protein phosphorylation and, novel transfection technologies based on using combinatorial chemistry and high-throughput cell screening</p> <p><i>Taku Funakoshi (Osaka, Japan)</i> <i>Gary Davidson (Karlsruhe, Germany)</i></p>
Convention Hall A/B	SPECIAL SESSION/WORKSHOP
1:00 PM–3:00 PM	<p>FEBS Education Session: Research in Undergraduate Education</p> <p>Chairs: <i>Tomás Zima (Prague, Czech Republic)</i> <i>Gül Güner (Izmir, Turkey)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <input type="checkbox"/> Bridging the gap between class practicals and research projects <i>Frank Michelangeli (Birmingham, United Kingdom)</i> <input type="checkbox"/> Setting Research Projects that involve Undergraduate Students <i>Laszlo Dux (Szeged, Hungary)</i> <input type="checkbox"/> The student perspective on research in undergraduate education <i>Estafanía Mucino Castillo (Paris, France)</i> <input type="checkbox"/> Panel Discussion <i>Gül Güner (Izmir, Turkey)</i> <i>Tomás Zima (Prague, Czech Republic)</i> <i>Frank Michelangeli (Birmingham, United Kingdom)</i> <i>Laszlo Dux (Szeged, Hungary)</i> <i>Estafanía Mucino Castillo (Paris, France)</i>
1:00 PM–1:05 PM	
1:05 PM–1:30 PM	
1:30 PM–1:55 PM	
1:55 PM–2:10 PM	
2:10 PM–3:00 PM	
Foyer	POSTER SESSION
1:30 PM–3:00 PM	<p>Poster Session 2</p> <p>See page 87</p>
Convention Hall A/B	SPECIAL SESSION/WORKSHOP
3:00 PM–5:00 PM	<p>FEBS Science & Society Session</p> <p>Evolutionary Medicine: Why We Get Sick</p> <p>Round Table Discussion: The New Science of Molecular Evolution – Consequences for Biology, Medicine, Public Health</p> <p>Chairs: <i>Jacques-Henry Weil (Strasbourg, France)</i> <i>Detlev Ganten (Berlin, Germany)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Welcome <i>Jacques-Henry Weil (Strasbourg, France)</i> <input type="checkbox"/> Introductory Lecture: From Darwin's theory of evolution to molecular evolutionary medicine <i>Detlev Ganten (Berlin, Germany)</i> <input type="checkbox"/> Application I: Evolutionary applications to medicine and public health <i>Axel Meyer (Konstanz, Germany)</i> <input type="checkbox"/> Application II: From Cells to Disease <i>Gillian Bentley (Durham, United Kingdom)</i> <input type="checkbox"/> Short introduction of the participants by the chairs <i>Jacques-Henry Weil (Strasbourg, France)</i> <i>Detlev Ganten (Berlin, Germany)</i> <input type="checkbox"/> Round table discussion: The new science of molecular evolution – consequences for biology, medicine, public health <i>Peter Hammerstein (Berlin, Germany)</i> <i>Frank Rühli (Zurich, Switzerland)</i> <i>Bernard Swynghedauw (Paris, France)</i>
3:00 PM–3:05 PM	
3:05 PM–3:25 PM	
3:25 PM–3:45 PM	
3:45 PM–4:05 PM	
4:05 PM–4:15 PM	
4:15 PM–5:00 PM	

5:00 PM–5:30 PM	COFFEE BREAK
Convention Hall A/B	SPECIAL SESSION/WORKSHOP
5:30 PM–7:30 PM	<p>Data Management & Reproducibility</p> <p>Chairs: <i>Laszlo Fesus (Debrecen, Hungary)</i> <i>Carsten Kettner (Frankfurt am Main, Germany)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Introduction <i>Carsten Kettner (Frankfurt am Main, Germany),</i> <i>Laszlo Fesus (Debrecen, Hungary)</i> <input type="checkbox"/> Transparent Publishing: How to Share Reproducible Data <i>Bernd Pulverer (Heidelberg, Germany)</i> <input type="checkbox"/> The advantage of standards in reporting enzyme data <i>Richard Armstrong (Nashville, United States of America)</i> <input type="checkbox"/> Systems biology and representative of "wet" metabolic research and kinetic modelling of metabolic pathways <i>Barbara M. Bakker (Groningen, Netherlands)</i> <input type="checkbox"/> Data standards and quality in the enzyme field – from unstructured data in papers to data fields in BRENDA <i>Dietmar Schomburg (Braunschweig, Germany)</i> <input type="checkbox"/> SourceData: making data available and discoverable <i>Thomas Lemberger (Heidelberg, Germany)</i> <input type="checkbox"/> Open Discussion
5:30 PM–5:40 PM	
5:40 PM–5:55 PM	
5:55 PM–6:10 PM	
6:10 PM–6:25 PM	
6:25 PM–6:40 PM	
6:40 PM–6:55 PM	
6:55 PM–7:30 PM	
ECC Room 1	SPECIAL SESSION/WORKSHOP
5:30 PM–7:30 PM	<p>FEBS Women in Science Session</p> <p>Chair: <i>Cecilia M. Arraiano (Oeiras, Portugal)</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> European Universities and Gender Issues <i>Lidia Borrell-Damián (Brussels, Belgium)</i> <input type="checkbox"/> EPWS – the Voice of Women Scientists in Europe <i>Brigitte Mühlenbruch (Bonn, Germany)</i> <input type="checkbox"/> The L'Oréal-UNESCO for Women in Science Program <i>Annie Black (Paris, France)</i> <input type="checkbox"/> The Elsevier Foundation New Scholars Program: Leveling the Playing Field <i>Helen Habernickel (Berlin, Germany)</i>
5:30 PM–6:00 PM	
6:00 PM–6:30 PM	
6:30 PM–7:00 PM	
7:00 PM–7:30 PM	

	Convention Hall A/B	ECC Room 1	ECC Room 2	ECC Room 3	Estrel Hall A	Estrel Hall C	
8:30 AM–11:00 AM	Symposium Signal Transduction in Tumor Development, Differentiation and Immune Escape (Part I)	Symposium Non-Coding RNAs in Gene Regulation (Part I)	Symposium Systems Biology in Stem Cells	Symposium Molecular Architecture and Assembly of the Synapse (Part I)	Symposium Lipid Signaling & Dynamics (Part I)	Symposium Monitoring Protein Conformational Dynamics and Movement (Part I)	9:00 AM
9:00 AM							10:00 AM
10:00 AM							11:00 AM
11:00 AM	Coffee Break						11:00 AM
11:30 AM–12:30 PM	Plenary Lecture Sir Hans Krebs Lecture						12:00 PM
12:00 PM	Lunch Break						1:00 PM
1:00 PM							1:00 PM
1:30 PM–3:00 PM		Speed Talks Membranes, Receptors & Bioenergetics + Structural Biology and Biophysics	Speed Talks Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology	Speed Talks From Chemical Biology to Molecular Medicine + Molecular Neuroscience	Poster Session 2 in Foyer Convention Center		2:00 PM
2:00 PM							2:00 PM
3:00 PM–5:00 PM	Symposium Signal Transduction in Tumor Development, Differentiation and Immune Escape (Part II)	Symposium Non-Coding RNAs in Gene Regulation (Part II)		Symposium Molecular Architecture and Assembly of the Synapse (Part II)	Symposium Lipid Signaling & Dynamics (Part II)	Symposium Monitoring Protein Conformational Dynamics and Movement (Part II)	3:00 PM
3:00 PM							4:00 PM
4:00 PM							5:00 PM
5:00 PM	Coffee Break						5:00 PM
5:30 PM–6:00 PM	The FEBS Journal Prize Lecture						6:00 PM
6:00 PM	Plenary Lecture Datta Lecture						7:00 PM
6:00 PM–7:30 PM							7:00 PM
7:00 PM	Coffee Break						8:00 PM
8:00 PM	8:00 PM–11:00 PM Others Networking Evening at Frannz Restaurant						8:00 PM
8:00 PM							9:00 PM
9:00 PM							9:00 PM

Convention Hall A/B	Chem Biol S5-I	SYMPOSIUM
8:30 AM–11:00 AM		Signal Transduction in Tumor Development, Differentiation and Immune Escape (Part I) <i>Chairs:</i> <i>Klaudia Giehl (Giessen, Germany)</i> <i>Mariano Barbacid (Madrid, Spain)</i> <i>Maria Angela Nieto (Alicante, Spain)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> TNF and Lymphotoxin in immune regulation and cancer <i>Sergei Nedospasov (Moscow, Russian Federation)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Transforming growth factor and bone morphogenetic protein actions in cancer progression <i>Aristidis Moustakas (Uppsala, Sweden)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Reconstitution of TGFBR2-mediated signaling causes upregulation of GDF-15 in colorectal cancer cells <i>Jürgen Kopitz (Heidelberg, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> The Damaged DNA Binding 2 protein: a new modulator of TGFβ-1 signaling pathway and membrane nanomechanics in breast cancer cells <i>Claire Barbieux (Vandoeuvre lès Nancy, France)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Cell plasticity during EMT and cancer metastasis <i>Gerhard Christofori (Basel, Switzerland)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Epithelial plasticity in cancer and fibrosis <i>Maria Angela Nieto (Alicante, Spain)</i>
ECC Room 1	Gen Ex S5-I	SYMPOSIUM
8:30 AM–11:00 AM		Non-Coding RNAs in Gene Regulation (Part I) <i>Chair:</i> <i>Nikolaus Rajewsky (Berlin, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Transgenerational epigenetic inheritance and RNAe <i>Eric Miska (Cambridge, United Kingdom)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> The 5S RNP connects ribosome production to cellular signalling <i>Nick Watkins (Newcastle upon Tyne, United Kingdom)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> On-enzyme refolding permits small RNA and tRNA surveillance by the CCA-adding enzyme <i>Claus Kuhn (Bayreuth, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> The impact of antisense transcription on protein abundance in yeast <i>Florian Huber (Heidelberg, Germany)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Regulation of protein localization and function by alternative 3'UTRs <i>Christine Mayr (New York, United States of America)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Regulatory RNAs <i>Nikolaus Rajewsky (Berlin, Germany)</i>

ECC Room 2	Sys Biol S5-I	SYMPOSIUM
8:30 AM–11:00 AM		Systems Biology in Stem Cells
	<i>Chair:</i>	<i>Ana Pombo (Berlin, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Self organization of mouse ES cell ensembles: far from the edge of chaos <i>Alfonso Martinez Arias (Cambridge, United Kingdom)</i>
9:00 AM–9:15 AM	<input type="checkbox"/>	The tale of two tails <i>Ho-Ryun Chung (Berlin, Germany)</i>
9:15 AM–9:30 AM	<input type="checkbox"/>	Alternative splicing in the regulation of planarian stem cells in vivo <i>Jordi Solana (Berlin, Germany)</i>
9:30 AM–10:00 AM	<input type="checkbox"/>	Self-organizing patterning systems in planarian regeneration <i>Jochen Rink (Dresden, Germany)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Parallels between epigenetic regulation in mouse germ line and pluripotent stem cell <i>Petra Hajkova (London, United Kingdom)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Polycomb repression acts through destabilization of nascent transcripts <i>Ana Pombo (Berlin, Germany)</i>

ECC Room 3	Mol Neu S4-I	SYMPOSIUM
8:30 AM–11:00 AM		Molecular Architecture and Assembly of the Synapse (Part I)
	<i>Chairs:</i>	<i>Casper Hoogenraad (Utrecht, Netherlands)</i> <i>Stephan Sigrist (Berlin, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Synaptic and extrasynaptic functions of a molecular co-chaperone <i>Rafael Fernandez-Chacon (Sevilla, Spain)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Molecular mechanisms of synapse maintenance <i>Yishi Jin (San Diego, United States of America)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Analysis of a PIST KO-mouse line for changes in the central nervous system <i>Judith Koliwer (Hamburg, Germany)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Dendritic spines are initiated by MIM-induced membrane bending <i>Pirta Hotulainen (Helsinki, Finland)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Novel mechanisms for regulating synaptic vesicle transport <i>Casper Hoogenraad (Utrecht, Netherlands)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Linking nanoscale synapse organization and function <i>Daniel Choquet (Bordeaux, France)</i>

Estrel Hall A	Mem Biol S5-I	SYMPOSIUM
8:30 AM–11:00 AM		Lipid Signaling & Dynamics (Part I)
	<i>Chairs:</i>	<i>Tamas Balla (Bethesda, United States of America)</i> <i>Volker Haucke (Berlin, Germany)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Phosphoinositide conversion within the endolysosomal system <i>Volker Haucke (Berlin, Germany)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Class II PI3K in the control of proliferation and metabolism <i>Emilio Hirsch (Torino, Italy)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Dual targeting of PI3K and SHIP1 for a synergistic inhibition of IgE mediated mast cell activation <i>Fabrizio Botindari (Basel, Switzerland)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Stomatin enriched Lipid-rafts are required for Salmonella Typhimurium clustering near the Golgi apparatus after invasion of epithelial cells <i>Dora Kaloyanova (Utrecht, Netherlands)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	The phosphoinositides and the Golgi complex <i>Antonella De Matteis (Naples, Italy)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Monitoring the dynamic change of plasma membrane inositol lipid pools upon EGF and M3 receptor activation in live cells <i>Peter Varnai (Budapest, Hungary)</i>

Estrel Hall C	Struct Biol S4-I	SYMPOSIUM
8:30 AM–11:00 AM		Monitoring Protein Conformational Dynamics and Movement (Part I)
	<i>Chairs:</i>	<i>Ilme Schlichting (Heidelberg, Germany)</i> <i>Gerhard Wagner (Boston, United States of America)</i>
8:30 AM–9:00 AM	<input type="checkbox"/>	Nucleosome distortion is coupled to translocation by a chromatin remodeling motor <i>John Gross (San Francisco, United States of America)</i>
9:00 AM–9:30 AM	<input type="checkbox"/>	Dynamic Complexes and Complex Dynamics – Visualising Molecular Recognition Trajectories of Intrinsically Disordered Viral and Signalling Proteins using NMR Spectroscopy <i>Martin Blackledge (Grenoble, France)</i>
9:30 AM–9:45 AM	<input type="checkbox"/>	Laws of attraction and repulsion: structure and dynamics of a novel family of bacterial chemoreceptors <i>Anna Roujeinikova (Calyton, Australia)</i>
9:45 AM–10:00 AM	<input type="checkbox"/>	Structural studies of the N-terminal domains of the DNA Partitioning protein IncC from the plasmid RK2 <i>Muhammad Rehman (Birmingham, United Kingdom)</i>
10:00 AM–10:30 AM	<input type="checkbox"/>	Conformational Dynamics of Membrane Proteins from DEER Spectroscopy <i>Hassane Mchaourab (Nashville, United States of America)</i>
10:30 AM–11:00 AM	<input type="checkbox"/>	Mechanism of allosteric inhibition of translation initiation <i>Gerhard Wagner (Boston, United States of America)</i>

11:00 AM–11:30 AM		COFFEE BREAK
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Convention Hall A/B		PLENARY LECTURE 	
11:30 AM–12:30 PM		Sir Hans Krebs Lecture	
Chairs:		<i>Alan Fersht (Cambridge, United Kingdom)</i> <i>Stephan Sigrist (Berlin, Germany)</i>	
11:30 AM–11:35 AM		<input type="checkbox"/>	Laudation <i>Stephan Sigrist (Berlin, Germany)</i>
11:35 AM–12:30 PM		<input type="checkbox"/>	Modelling human brain development and disease in 3D culture <i>Jürgen Knoblich (Vienna, Austria)</i>
12:30 PM–1:30 PM		LUNCH BREAK 	
ECC Room 1		SPEED TALKS 	
1:30 PM–3:00 PM		Membranes, Receptors & Bioenergetics + Structural Biology and Biophysics	
1:30 PM–1:34 PM	P36-003-SP	<input type="checkbox"/>	Preventing oxidative damage at the early phase: The case of glucose oxidase <i>Dušan Petrovi (Belgrade, Serbia)</i>
1:34 PM–1:38 PM	P36-004-SP	<input type="checkbox"/>	Structure of α -synuclein in human cells: a disordered monomer <i>François-Xavier Theillet (Berlin, Germany)</i>
1:38 PM–1:42 PM	P36-005-SP	<input type="checkbox"/>	The absolute arrangement of subunits in cytoskeletal septin filaments in cells measured by fluorescence microscopy <i>Helge Ewers (Berlin, Germany)</i>
1:42 PM–1:46 PM	P36-006-SP	<input type="checkbox"/>	Single-particle FRET analysis of nucleosome structure during transcription with RNA polymerase: experimental systems and methodology <i>Alexey Feofanov (Moscow, Russian Federation)</i>
1:46 PM–1:50 PM	P11-003-SP	<input type="checkbox"/>	Structural insights into conformational changes of Arp2/3 complex, induced by ligand binding <i>Angelina Chemeris (Moscow, Russian Federation)</i>
1:50 PM–1:54 PM	P11-004-SP	<input type="checkbox"/>	Allosteric regulation of insulin receptors by membrane lipids <i>Theresia Gutmann (Dresden, Germany)</i>
1:54 PM–1:58 PM	P11-005-SP	<input type="checkbox"/>	Cyclin-dependent kinase 5 is involved in pleiotrophin-induced endothelial cell migration <i>Evangelia Papadimitriou (Patras, Greece)</i>
1:58 PM–2:02 PM	P11-006-SP	<input type="checkbox"/>	Three to stick with: Interactions of the Bazooka PDZ domains with cell-cell junction molecules <i>Fabian Renschler (Tübingen, Germany)</i>
2:02 PM–2:06 PM	P12-005-SP	<input type="checkbox"/>	Cooperation of CD14 and PIP5-kinase I γ in PI(4,5)P2 generation during stimulation of cells with LPS <i>Agnieszka Plóciennikowska (Warszawa, Poland)</i>
2:06 PM–2:10 PM	P12-006-SP	<input type="checkbox"/>	Characterization of the Ca ²⁺ and phosphoinositide – binding sites of the C2 domains of Rabphilin 3A <i>María Dolores Pérez-Sánchez (Murcia, Spain)</i>
2:10 PM–2:14 PM	P12-007-SP	<input type="checkbox"/>	New insights into the underlying mechanisms of Niemann-Pick disease type A/B <i>Christina-Maria Reimann (Jena, Germany)</i>
2:14 PM–2:18 PM	P12-008-SP	<input type="checkbox"/>	SNX9 regulates focal adhesion disassembly during cell migration <i>Altynbek Zhubanchaliyev (Astana, Kazakhstan)</i>
2:18 PM–2:22 PM	P35-005-SP	<input type="checkbox"/>	Folding of right- and left-handed three-helix proteins <i>Oxana Galzitskaya (Pushchino, Russian Federation)</i>
2:22 PM–2:26 PM	P35-006-SP	<input type="checkbox"/>	The role of surface wettability and environmental conditions in Amyloid β conformational changes <i>Angelo Accardo (Genova, Italy)</i>

2:26 PM–2:30 PM	P35-007-SP	<input type="checkbox"/>	Photoactivation and signal transduction of Blue Light sensors using FAD (BLUF) <i>Tilo Mathes (Amsterdam, Netherlands)</i>
2:30 PM–2:34 PM	P35-008-SP	<input type="checkbox"/>	Investigating partially unfolded conformations populated by monomeric human transthyretin <i>Francesco Bemporad (Firenze, Italy)</i>
ECC Room 2		SPEED TALKS 	
1:30 PM–3:00 PM		Mechanisms of Gene Expression + Systems Biology, Bioinformatics & Theoretical Biology	
1:30 PM–1:34 PM	P29-003-SP	<input type="checkbox"/>	A microfluidic platform for high-resolution imaging of single yeast cells with versatile environmental control <i>Gregor Schmidt (Basel, Switzerland)</i>
1:34 PM–1:38 PM	P29-004-SP	<input type="checkbox"/>	Angiogenin-mediated cell-autonomous translational control under endoplasmic reticulum stress attenuates kidney injury <i>Iadh Mami (Paris, France)</i>
1:38 PM–1:42 PM	P29-005-SP	<input type="checkbox"/>	The crosstalk between NF- κ B-dependent and HSF1-dependent pathways in response to heat shock <i>Anna Naumowicz (Gliwice, Poland)</i>
1:42 PM–1:46 PM	P29-006-SP	<input type="checkbox"/>	Histone methyltransferase SUV49H1 is associated with protein kinase CK2 inhibition-mediated senescence in human cancer cells <i>Young-Seuk Bae (Daegu, Republic of Korea)</i>
1:46 PM–1:50 PM	P06-005-SP	<input type="checkbox"/>	The activated androgen receptor regulates WNT/TCF7 through mediation of microRNA-1 <i>Yen-Nien Liu (Taipei, Republic of China)</i>
1:50 PM–1:54 PM	P06-007-SP	<input type="checkbox"/>	Shifts in non-coding RNA expression profile distort the set of nuclear envelope proteins and affect the nuclear-cytoplasmic transport <i>Volodymyr Halytskyi (Kyiv, Ukraine)</i>
1:54 PM–1:58 PM	P06-008-SP	<input type="checkbox"/>	microRNAs as effectors regulated by androgen receptor in prostate cancer <i>Lorenza Pasqualini (Innsbruck, Austria)</i>
1:58 PM–2:02 PM	P05-003-SP	<input type="checkbox"/>	Sequestering and protein cofactor competition regulate a multifunctional RNA helicase in different pathways <i>Markus Bohnsack (Göttingen, Germany)</i>
2:02 PM–2:06 PM	P05-004-SP	<input type="checkbox"/>	RPB1 foot mutations demonstrate that post-transcriptional regulation depending on Rpb4 plays a major role controlling the environmental stress response in <i>Saccharomyces cerevisiae</i> <i>Francisco Navarro (Jaén, Spain)</i>
2:06 PM–2:10 PM	P05-005-SP	<input type="checkbox"/>	Targeted modulation of alternative splicing by TALE-directed chromatin editing <i>Nicole Bieberstein (Prague, Czech Republic)</i>
2:10 PM–2:14 PM	P05-006-SP	<input type="checkbox"/>	Structural dynamics of H/ACA ribonucleoproteins studied by single molecule FRET spectroscopy <i>Martin Hengesbach (Frankfurt am Main, Germany)</i>
2:14 PM–2:18 PM	P30-003-SP	<input type="checkbox"/>	Stem cells loaded nanobiohybrids for efficient chronic wounds healing <i>Bianca Galateanu (Bucharest, Romania)</i>
2:18 PM–2:22 PM	P30-004-SP	<input type="checkbox"/>	Effect of chromium complexes with flavonoid quercetin on the adipogenic process <i>Bianca Galateanu (Bucharest, Romania)</i>

ECC Room 3	SPEED TALKS	
1:30 PM–3:00 PM	From Chemical Biology to Molecular Medicine + Molecular Neuroscience	
1:30 PM–1:34 PM	P24-003-SP	<input type="checkbox"/> Vaccinia-related kinase 2 controls eukaryotic chaperonin TRiC/CCT stability by inhibiting Ubiquitin-specific protease 25 <i>Dohyun Lee (Pohang, Republic of Korea)</i>
1:34 PM–1:38 PM	P24-004-SP	<input type="checkbox"/> Dysfunction of PLC-gamma1 contributes to the development of neuropsychiatric disorders <i>Yong Ryoul Yang (Ulsan, Republic of Korea)</i>
1:38 PM–1:42 PM	P24-005-SP	<input type="checkbox"/> Unfolded Protein Response in Parkinson's disease: a new neuroprotective role for Glutathione S-Transferase pi <i>Maria Gama (Lisbon, Portugal)</i>
1:42 PM–1:46 PM	P24-006-SP	<input type="checkbox"/> Regulation of SH3 domains in intersectin 1 modulates its function in the synaptic vesicle cycle <i>Fabian Gerth (Berlin, Germany)</i>
1:46 PM–1:50 PM	P16-003-SP	<input type="checkbox"/> Biosensing of intact glycosylphosphatidylinositol-anchored proteins in serum as biomarkers for stress-induced diseases <i>Günter Müller (Garching-Hochbrück, Germany)</i>
1:50 PM–1:54 PM	P16-004-SP	<input type="checkbox"/> Interaction analysis between sugar chain and aromatic residue in mammalian protein <i>Kenji Etchuya (Kanagawa, Japan)</i>
1:54 PM–1:58 PM	P16-005-SP	<input type="checkbox"/> Analysis of GOLPH3 depletion on protein glycosylation in human glioblastoma multiforme T98G cells <i>Gonzalo Mardones (Valdivia, Chile)</i>
1:58 PM–2:02 PM	P16-006-SP	<input type="checkbox"/> Nanoscale self-assembled multivalent (SAMul) heparin binders: promising clinical tools <i>Ana Rodrigo (York, United Kingdom)</i>
2:02 PM–2:06 PM	P23-005-SP	<input type="checkbox"/> Overlapping functions of stonin 2 and SV2 in sorting of the calcium sensor synaptotagmin 1 to synaptic vesicles <i>Natalie Kaempf (Berlin, Germany)</i>
2:06 PM–2:10 PM	P23-006-SP	<input type="checkbox"/> Comparison of synaptic connectivity in iPSC – derived neurons from patients with schizophrenia and autism <i>Lena-Marie Grunwald (Reutlingen, Germany)</i>
2:10 PM–2:14 PM	P23-007-SP	<input type="checkbox"/> Diffusional spread and confinement of newly exocytosed synaptic vesicle proteins <i>Niclas Gimber (Berlin, Germany)</i>
2:14 PM–2:18 PM	P23-008-SP	<input type="checkbox"/> Regulation of PSD-95 MAGUK scaffold assembly <i>Nils Rademacher (Berlin, Germany)</i>
2:18 PM–2:22 PM	P18-006-SP	<input type="checkbox"/> Chronic stress suppresses autophagy and affects spontaneous differentiation of bone marrow stromal cells <i>Zvenyslava Husak (Vienna, Austria)</i>
2:22 PM–2:26 PM	P18-007-SP	<input type="checkbox"/> Activation and repression by oncogenic Myc shape tumor-specific gene expression profiles <i>Elmar Wolf (Würzburg, Germany)</i>
Foyer	POSTER SESSION	
1:30 PM–3:00 PM	Poster Session 2 See page 87	

Convention Hall A/B	Chem Biol S5-II	SYMPOSIUM
3:00 PM–5:00 PM		Signal Transduction in Tumor Development, Differentiation and Immune Escape (Part II)
	<i>Chairs:</i>	<i>Klaudia Giehl (Giessen, Germany)</i> <i>Mariano Barbacid (Madrid, Spain)</i> <i>Maria Angela Nieto (Alicante, Spain)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Oncogenic Ras proteins in tumor cell migration and invasion <i>Klaudia Giehl (Giessen, Germany)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Deciphering the RAS/MAPKinase Signaling Pathway in Cancer <i>Mariano Barbacid (Madrid, Spain)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Secretory factors regulating cell aging: the role of exosomes in H-Ras-Induced Senescence <i>Krizia Sagini (Perugia, Italy)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> Phosphorylation of HIF-1 α and its role in metabolic reprogramming under hypoxia <i>George Simos (Larissa, Greece)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Biological functions of Raf pathway component <i>Manuela Baccharini (Vienna, Austria)</i>
ECC Room 1	Gen Ex S5-II	SYMPOSIUM
3:00 PM–5:00 PM		Non-Coding RNAs in Gene Regulation (Part II)
	<i>Chair:</i>	<i>Thomas Tuschl (New York, United States of America)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> PIWI-intracting RNA in Drosophila; its biogenesis and function <i>Mikiko C. Siomi (Tokyo, Japan)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> RNA silencing and regulation at the epigenetic and translational levels <i>Sir David Baulcombe (Cambridge, United Kingdom)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Comparative transcriptome and proteome analyses of Bacillus subtilis 6S-1 and 6S-2 RNAs deletion strains <i>Olga Burenina (Moscow, Russian Federation)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> Biochemical characterization of long non-coding RNAs <i>Michal Lubas (Copenhagen, Denmark)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Human RNA sequencing analysis for research, diagnostic and prognostic studies <i>Thomas Tuschl (New York, United States of America)</i>
ECC Room 3	Mol Neu S4-II	SYMPOSIUM
3:00 PM–5:00 PM		Molecular Architecture and Assembly of the Synapse (Part II)
	<i>Chairs:</i>	<i>Casper Hoogenraad (Utrecht, Netherlands)</i> <i>Stephan Sigrist (Berlin, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Shedding light on the assembly of synapse structure and function <i>Stephan Sigrist (Berlin, Germany)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Protein turnover at synapses for a healthy brain <i>Patrik Verstecken (Leuven, Belgium)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Dynamic of presynaptic calcium channels <i>Martin Heine (Magdeburg, Germany)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> Vesicular synaptobrevin/VAMP2 levels guarded by AP180 control efficient neurotransmission <i>Tanja Maritzen (Berlin, Germany)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Presynaptic assembly and Axonal trafficking in C. elegans <i>Kang Shen (Stanford, United States of America)</i>

Estrel Hall A	Mem Biol S5-II	SYMPOSIUM
3:00 PM–5:00 PM		Lipid Signaling & Dynamics (Part II) <i>Chairs: Tamas Balla (Bethesda, United States of America) Volker Haucke (Berlin, Germany)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Phosphoinositide turnover and lipid transport. A marriage born at membrane contact sites <i>Tamas Balla (Bethesda, United States of America)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Sac1 selectively regulates trafficking of cell surface adhesion molecules in the developing Drosophila eye <i>Julie Brill (Toronto, Canada)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Regulation of endocytic ArfGEFs by membranes <i>Mahel Zeghouf (Cachan, France)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> PI3P-dependent ER-endosome contacts in endosome positioning and protrusion outgrowth <i>Harald Stenmark (Oslo, Norway)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Chemical biology tools to manipulate lipid signaling in intact cells <i>Carsten Schultz (Heidelberg, Germany)</i>
Estrel Hall C	Struct Biol S4-II	SYMPOSIUM
3:00 PM–5:00 PM		Monitoring Protein Conformational Dynamics and Movement (Part II) <i>Chairs: Ilme Schlichting (Heidelberg, Germany) Gerhard Wagner (Boston, United States of America)</i>
3:00 PM–3:30 PM		<input type="checkbox"/> Ultra-fast time-resolved serial femtosecond crystallography on myoglobin ligan dissociation <i>Ilme Schlichting (Heidelberg, Germany)</i>
3:30 PM–4:00 PM		<input type="checkbox"/> Single-molecule imaging of cytoplasmic dynein in vivo <i>Iva Tolić (Zagreb, Croatia)</i>
4:00 PM–4:15 PM		<input type="checkbox"/> Proteins in vivo: From the test tube to the cell <i>Simon Ebbinghaus (Bochum, Germany)</i>
4:15 PM–4:30 PM		<input type="checkbox"/> New insights of the reconstitution/activation process of the soluble glucose dehydrogenase with PQQ by combining crystallography, fluorescence quenching and stopped-flow experiments <i>Claire Stines-Chaumeil (Pessac, France)</i>
4:30 PM–5:00 PM		<input type="checkbox"/> Atomistic Simulation of Single Molecule Experiments: Molecular Machines and a Dynasome Perspective <i>Helmut Grubmueller (Göttingen, Germany)</i>
5:00 PM–5:30 PM		COFFEE BREAK
Convention Hall A/B		OTHERS
5:30 PM–6:00 PM		The FEBS Journal Prize Lecture <input type="checkbox"/> Mitochondrial hyperfusion promotes NF-κB activation via the mitochondrial E3 ligase MULAN <i>Naima Zemirli (Villejuif, France)</i>

Convention Hall A/B	PLENARY LECTURE
6:00 PM–7:00 PM	Datta Lecture <i>Chair: Claudina Rodriguez-Pousada (Lisbon, Portugal)</i> <input type="checkbox"/> Laudation <input type="checkbox"/> Protein folding as a driving force in evolution from basic biology to human medicine <i>Susan L. Lindquist (Cambridge, United States of America)</i>
Frannz Restaurant	OTHERS
8:00 PM–11:00 PM	Networking Evening at Frannz Restaurant

	Convention Hall A/B	ECC Room 1	ECC Room 2	ECC Room 3	Estrel Hall A	Estrel Hall C	
9:00 AM	8:30 AM–11:00 AM Symposium Functional Glycobiology from Mechanism to Disease	8:30 AM–11:00 AM Symposium RNA Processing and Modifications	8:30 AM–11:00 AM Symposium Functional Networks Regulating Cellular Stress Response and Ageing	8:30 AM–11:00 AM Symposium Control of Neuronal Function by Regulating Protein Homeostasis	8:30 AM–11:00 AM Symposium Extrinsic and Intrinsic Regulation of Cellular Growth Control	8:30 AM–11:00 AM Symposium Advances in Structural Biology – from Subcellular to Molecular Resolution	9:00 AM
10:00 AM							10:00 AM
11:00 AM	Coffee Break						11:00 AM
	11:30 AM–12:00 PM Otto Meyerhof Prize						
12:00 PM	12:00 PM–1:00 PM Plenary Lecture The EMBO Lecture						12:00 PM
1:00 PM	1:00 PM–1:15 PM Others Closing Remarks & Farewell						1:00 PM

Convention Hall A/B	Chem Biol S3	SYMPOSIUM
8:30 AM–11:00 AM		Functional Glycobiology – from Mechanism to Disease <i>Chairs:</i> Markus Aebi (Zurich, Switzerland) Rüdiger Horstkorte (Halle, Germany)
8:30 AM–9:00 AM		<input type="checkbox"/> Fiber-degrading gut bacteria: Of rumen and human Ed Bayer (Rehovot, Israel)
9:00 AM–9:30 AM		<input type="checkbox"/> Interfering with sialylation through metabolic sialic acid engineering or inhibition of sialyl transferases: A novel implication for cancer therapy. Rüdiger Horstkorte (Halle, Germany)
9:30 AM–9:45 AM		<input type="checkbox"/> Collagen glycation and deglycation. Candidate locations of collagen non- enzymatic glycation and characterization of an Amadoriase enzyme for its prevention Alfonso Gautieri (Milan, Italy)
9:45 AM–10:00 AM		<input type="checkbox"/> Structure, function and biosynthesis of a new class of human N-glycosylated neutrophilic proteins in pathogen-infected sputum Morten Thaysen-Andersen (Sydney, Australia)
10:00 AM–10:30 AM		<input type="checkbox"/> The making of N-glycoproteins Markus Aebi (Zurich, Switzerland)
10:30 AM–11:00 AM		<input type="checkbox"/> The HIV glycan shield as a target for broadly neutralizing antibodies Katherine Doores (London, United Kingdom)

ECC Room 1	Gen Ex S4	SYMPOSIUM
8:30 AM–11:00 AM		RNA Processing and Modifications <i>Chairs:</i> Mark Helm (Mainz, Germany) Chuan He (Chicago, United States of America)
8:30 AM–9:00 AM		<input type="checkbox"/> Ribonuclease DIS3 shapes the RNA polymerase II transcriptome in humans Andrzej Dziembowski (Warszaw, Poland)
9:00 AM–9:30 AM		<input type="checkbox"/> Biogenesis and function of circRNAs Sebastian Kadener (Jerusalem, Israel)
9:30 AM–9:45 AM		<input type="checkbox"/> Assembly of complex ribozymes from short RNA oligomer pools Hannes Mutschler (Cambridge, United Kingdom)
9:45 AM–10:00 AM		<input type="checkbox"/> LC-MS analysis for the qualitative and quantitative analysis of cellular modified NAD-RNA Gabriele Nübel (Heidelberg, Germany)
10:00 AM–10:30 AM		<input type="checkbox"/> RNA modification – detection, quantification, and function Mark Helm (Mainz, Germany)
10:30 AM–11:00 AM		<input type="checkbox"/> Reversible RNA methylation in gene expression regulation Chuan He (Chicago, United States of America)

ECC Room 2	Sys Biol S4	SYMPOSIUM
8:30 AM–11:00 AM		Functional Networks Regulating Cellular Stress Response and Ageing <i>Chairs: Karl Lenhard Rudolph (Jena, Germany) Peter Lansdorp (Groningen, Netherlands)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Role of genome instability in ageing <i>Peter Lansdorp (Groningen, Netherlands)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Stem Cells and Aging: lessons from Drosophila <i>Heinrich Jasper (Novato, United States of America)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> A cell culture comparative biology approach to study mechanisms of genomic stability and their relevance for species longevity: a newer interpretation of 53BP1 nuclear foci <i>Eleonora Croco (Bologna, Italy)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Redox proteomics: from one residue modification to uncovering global redox-mediated cellular processes <i>Dana Reichmann (Jerusalem, Israel)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Senescent cells shorten health and lifespan <i>Jan van Deursen (Rochester, United States of America)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Aging associated stem cell mutation as driving factors for tissue dysfunction and cancer <i>Karl Lenhard Rudolph (Jena, Germany)</i>

ECC Room 3	Mol Neu S5	SYMPOSIUM
8:30 AM–11:00 AM		Control of Neuronal Function by Regulating Protein Homeostasis <i>Chairs: Claudia Bagni (Leuven, Belgium) Nils Brose (Göttingen, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Roles of Nedd4 Family E3 Ubiquitin Ligases in Neuronal Development <i>Hiroshi Kawabe (Göttingen, Germany)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Synaptic tenacity – beyond one molecule or another <i>Noam Ziv (Haifa, Israel)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Loss of the neuron-specific F-box protein FBXO41 models an ataxia-like phenotype in mice with developmental defects and degeneration in the cerebellum <i>Judith Stegmueller (Göttingen, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Activity-dependent regulation of proteasome at presynapse <i>Anna Fejtova (Magdeburg, Germany)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Synapse proteomes, synaptomes and brain complexity <i>Seth G. N. Grant (Edinburgh, United Kingdom)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Local protein synthesis shapes synapses: insights into FXS and ASD <i>Claudia Bagni (Leuven, Belgium)</i>

Estrel Hall A	Mem Biol S4	SYMPOSIUM
8:30 AM–11:00 AM		Extrinsic and Intrinsic Regulation of Cellular Growth Control <i>Chairs: Bart Vanhaesebroeck (London, United Kingdom) Petra Knaus (Berlin, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> Direct and indirect actions of PI 3-kinase in cancer cell growth control <i>Bart Vanhaesebroeck (London, United Kingdom)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Consequences of isolated genetic perturbation of Type 1A phosphatidylinositol-3-kinase activity in humans <i>Robert Semple (Cambridge, United Kingdom)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Control of nutrient signaling and proteostasis by PI3K-C2-mediated PI(3,4)P2 synthesis <i>Andrea Marat (Berlin, Germany)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Activation of CXC chemokine receptor 4 by lactoferrin <i>Yoshiharu Takayama (Tsukuba, Japan)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Molecular insights into BMP signaling – cell context matters <i>Petra Knaus (Berlin, Germany)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Mitofusion proteins in hypothalamic POMC neurons regulate systemic energy balance and metabolism <i>Marc Claret (Barcelona, Spain)</i>

Estrel Hall C	Struct Biol S5	SYMPOSIUM
8:30 AM–11:00 AM		Advances in Structural Biology – from Subcellular to Molecular Resolution <i>Chairs: John Briggs (Heidelberg, Germany) Claus A. M. Seidel (Düsseldorf, Germany)</i>
8:30 AM–9:00 AM		<input type="checkbox"/> The tripartite degron model: the role of structural disorder in protein quality control <i>Peter Tompa (Brussels, Belgium)</i>
9:00 AM–9:30 AM		<input type="checkbox"/> Studying plasma membrane bioactivity with super-resolution STED microscopy <i>Christian Eggeling (Oxford, United Kingdom)</i>
9:30 AM–9:45 AM		<input type="checkbox"/> Atom resolution structure of non-crystalline membrane proteins in lipid bilayers by magic-angle spinning nuclear magnetic resonance <i>Loren Andreas (Villeurbanne, France)</i>
9:45 AM–10:00 AM		<input type="checkbox"/> Structure of the bacteriophage phi6 nucleocapsid solved to 3.9 Å resolution using electron cryomicroscopy <i>Zhaoyang Sun (Oxford, United Kingdom)</i>
10:00 AM–10:30 AM		<input type="checkbox"/> Structure in situ – (cryo-)electron microscopy of enveloped viruses and coated vesicles <i>John Briggs (Heidelberg, Germany)</i>
10:30 AM–11:00 AM		<input type="checkbox"/> Watching structure and dynamics of proteins by high-precision FRET in vitro and in vivo <i>Claus A. M. Seidel (Düsseldorf, Germany)</i>

11:00 AM–11:30 AM COFFEE BREAK

Convention Hall A/B		OTHERS	
11:30 AM–12:00 PM		Award Ceremony Otto Meyerhof Prize	
	Chair:	<i>Roger Goody (Dortmund, Germany)</i>	
11:30 AM–11:35 AM		<input type="checkbox"/> Laudation	
11:35 AM–12:00 PM		<input type="checkbox"/> Design of Protein Folds and Functions <i>Birte Höcker (Tübingen, Germany)</i>	
Convention Hall A/B		PLENARY LECTURE	
12:00 PM–1:00 PM		The EMBO Lecture	
	Chair:	<i>Ann Ehrenhofer-Murray (Berlin, Germany)</i>	
		<input type="checkbox"/> Laudation	
		<input type="checkbox"/> Understanding Cellular Heterogeneity <i>Sarah A. Teichmann (Hinxton, Cambridge, United Kingdom)</i>	
Convention Hall A/B		OTHERS	
1:00 PM–1:15 PM		Closing Remarks & Farewell	

Sunday, July 5 & Monday, July 6

Poster Session 1

P02	Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome	55
P03	Turning Signals into Messages – the Complexity of Gene Regulation	58
P04	Translational Control and Protein Turnover	61
P08	Organelle Dynamics and Communication	63
P09	Autophagy and Degradation	65
P10	Redox-Regulation of Biological Activities	66
P14	Probing Cellular Function with Small Molecules	69
P15	Targeted Cancer Therapy	75
P17	RNA-Based Disease Mechanism and Therapy	75
P20	Neuronal Ion Channels and their Role in Disease	76
P21	Mechanisms of Nervous System Development and Regeneration	77
P22	Degeneration and Ageing of the Nervous System	78
P27	Molecular Clocks	80
P28	Comprehensive Models of Metabolism and Signaling	81
P32	Mechanisms of Membrane Transport	83
P33	Channels and Transporters	85
P34	Protein Mediated Membrane Deformation and Penetration	85

Tuesday, July 7 & Thursday, July 8

Poster Session 2

P03	Turning Signals into Messages – the Complexity of Gene Regulation	87
P05	RNA Processing and Modifications	87
P06	Non-Coding RNAs in Gene Regulation	88
P10	Redox-Regulation of Biological Activities	89
P11	Extrinsic and Intrinsic Regulation of Cellular Growth Control	89
P12	Lipid Signaling and Dynamics	91
P15	Targeted Cancer Therapy	93
P16	Functional Glycobiology – from Mechanism to Disease	100
P18	Signal Transduction in Tumor Development, Differentiation and Immune Escape	101
P21	Mechanisms of Nervous System Development and Regeneration	104
P23	Molecular Architecture and Assembly of the Synapse	104
P24	Control of Neuronal Function by Regulating Protein Homeostasis	105
P26	Interspecies Communication	106
P29	Functional Networks Regulating Cellular Stress Responses and Ageing	107
P30	Systems Biology in Stem Cells	109
P33	Channels and Transporters	109
P35	Monitoring Protein Conformational Dynamics and Movement	111
P36	Advances in Structural Biology – from Subcellular to Molecular Resolution	114
P38	Education & Training	117

**FEBS Publications
Poster Prizes**

'Poster of the Day' prizes for outstanding scientific posters at the FEBS Congress will be awarded by The FEBS Journal, FEBS Letters, Molecular Oncology and FEBS Open Bio at the poster sessions on Sunday July 5, Monday July 6, and Wednesday July 8 and from these, four overall journal poster prize winners will be selected to receive a prize of € 200 at the Closing Session. For the selection of the Posters of the Day, a shortlist of approximately 30 contenders for each poster session will be drawn up by the Congress Organizing Committee based on their assessment of abstracts submitted to the event. At the Congress poster sessions, a jury of FEBS journal editors and GBM-selected group leaders will examine the presented posters from this shortlist, looking for high-quality and exciting unpublished research presented in a clear and appealing manner. Their

scores will determine the Poster of the Day awards, and the overall journal poster prize winners for the Congress will be selected from the Posters of the Day by editors of each FEBS journal. The Posters of the Day will be announced shortly before the end of poster sessions on the Sunday July 5 Monday July 6 and Wednesday July 8 at 14:45 PM near the FEBS booth and will be displayed in a special area of the exhibition hall for the rest of the event.

FEBS Education Poster Prize

A prize of free registration to the next FEBS Congress (Kusadasi, Turkey; September 3–8, 2016) will be awarded to the best poster in the poster session on 'Education, Training, and Career Planning in Molecular Life Sciences' on Tuesday July 7, as judged by a jury formed of members of the FEBS Education Committee.

Foyer	POSTER SESSION
8:30 AM–7:30 PM	Poster Session 1
P02	Chromatin Structure and Epigenetic Modifications and Maintenance of the Genome
P02-001-SH	<input type="checkbox"/> The effect of histone modifications and DNA superhelicity on nucleosome stability <i>Gábor Szabó (Debrecen, Hungary)</i>
P02-002-SH	<input type="checkbox"/> How do transcription factors “know” where to go in the genome? <i>Sebastian Mejsing (Berlin, Germany)</i>
P02-003-SH	<input type="checkbox"/> Signal regulated localisation of a mutagenic protein complex at the Igh locus <i>Thomas Grundström (Umeå, Sweden)</i>
P02-004-SH	<input type="checkbox"/> The sequence requirements for base J in DNA <i>Piet Borst (Amsterdam, Netherlands)</i>
P02-005-SP	<input type="checkbox"/> Investigation of the G4 interactome using human protein microarrays <i>Slava Severov (Moscow, Russian Federation)</i>
P02-006-SP	<input type="checkbox"/> Analysis of XCI mosaicism in the liver from a patient with OTC deficiency <i>Dita Musalkova (Prague, Czech Republic)</i>
P02-007-SP	<input type="checkbox"/> DNA structural transitions upon dehydration of DNA solutions revealed by FTIR spectroscopy <i>Sofia Paston (St. Petersburg, Russian Federation)</i>
P02-008-SP	<input type="checkbox"/> PRE-PIK3C2B: a Human PRE with a difference? <i>Jayant Maini (Delhi, India)</i>
P02-009	<input type="checkbox"/> The toxic effect of calcium carbide on DNA damage in banana <i>Khaled Ali (Aden, Yemen)</i>
P02-010	<input type="checkbox"/> Oxidative stress induces LINE-1 hypomethylation through depletion of S-adenosylmethionine <i>Chanchai Boonla (Bangkok, Thailand)</i>
P02-011	<input type="checkbox"/> Cell cycle arrest mediates Rb gene methylation patterns in APL patient <i>Ali Khaleghian (Semnan, Islamic Republic of Iran)</i>
P02-012	<input type="checkbox"/> Epigenetic regulation is a determinant of the cell line specific expression of the UDP glycosyltransferase 3A1 and 3A2 genes <i>Alex Haines (Adelaide, Australia)</i>
P02-013	<input type="checkbox"/> Epigenetic changes over long-term evolution of breast tumor <i>Dan Li (Shanghai, People's Republic of China)</i>
P02-014	<input type="checkbox"/> Acetylation on the nucleoprotein of influenza A virus <i>Dai Hatakeyama (Tokushima City, Japan)</i>
P02-015	<input type="checkbox"/> The impact of mm-waves on the level of DNA methylation on the plant model <i>Liya Minasbekyan (Yerevan, Armenia)</i>
P02-016	<input type="checkbox"/> Investigation of DNA methylation and H4 hyperacetylation dynamics in the 5S rRNA genes family by chromatin immunoprecipitation assay <i>Claudia Burcea (Bucharest, Romania)</i>
P02-017	<input type="checkbox"/> Retinoic acid induced Hoxa5 is negatively regulated by CTCF in F9 teratocarcinoma cells <i>Ji Hoon Oh (Seoul, Republic of Korea)</i>
P02-018	<input type="checkbox"/> Genotoxicity induced by heavy metals and protective effect of rosemary and green tea extracts <i>Nahid Einollahi (Tehran, Islamic Republic of Iran)</i>
P02-019	<input type="checkbox"/> DNA methylation contributes to constitutive telomerase gene expression by inhibition of KLF2 binding to a promoter element in human T cells <i>Masayataka Nakamura (Tokyo, Japan)</i>

- P02-020 CTCF regulates HOXA10 gene expression in breast cancer cell lines
Muhammad Mustafa (Seoul, Republic of Korea)
- P02-021 HOXB gene upregulation is associated with tamoxifen-resistance in MCF7 breast cancer cells
Seo Yeon Yang (Seoul, Republic of Korea)
- P02-022 O-GlcNAc transferase impact on EZH2-dependent FOXC1 and FOXA1 gene expression in breast cancer cells
Ewa Forma (Lodz, Poland)
- P02-023 Global methylation profiles in lung tissues of silicosis patients
Meng Ye (Beijing, People's Republic of China)
- P02-024 The association between preeclampsia and K55R polymorphism and methylation levels of the soluble epoxide hydrolase gene (EPHX2)
İsmail Sari (Sivas, Turkey)
- P02-025 Short telomere length and increase expression of its related proteins were associated with the level of benzo(a)pyrene exposure in human bronchial epithelial cell
Ping Bin (Beijing, People's Republic of China)
- P02-026 Functional requirement of zinc finger motif(s) in Helicobacter pylori Topoisomerase I function
Sumedha Kondekar (Bangalore, India)
- P02-027 Harmonious pattern of HOXA10 gene expression with epigenetic aberration of its regulatory region in eutopic endometrium and ectopic endometriotic lesion of endometriosis patient during menstrual cycle
Yasaman Samadieh (Tehran, Islamic Republic of Iran)
- P02-028 Epigenetic disruption of CRE transcriptional activity pathway in human spermatogenic disorders
Raha Favaedi (Tehran, Islamic Republic of Iran)
- P02-029 Evaluation of telomere length and TERRA transcription level in PCOS patients
Narges Ghobadi (Tehran, Islamic Republic of Iran)
- P02-030 Histone deacetylase inhibitor, CG200745, attenuates transcriptional activity of mineralocorticoid receptor through its acetylation
Eun Jo Lee (Daegu, Republic of Korea)
- P02-031 Aberrant methylation of CYP19A1 gene in human endometrium throughout the menstrual cycle in endometriosis patient
Elmira Khateri (Tehran, Islamic Republic of Iran)
- P02-032 Protein arginine methyltransferase 5 regulated encystation of Acanthamoeba
Eun-Kyung Moon (Daegu, Republic of Korea)
- P02-033 G4 structures and reparation efficiency: the focus on DNA end processing
Slava Severov (Moscow, Russian Federation)
- P02-034 High glucose induce overall DNA hypomethylation in Human Endothelial Progenitor Cells
Paulina Fernández (Concepcion, Chile)
- P02-035 Epigenetic regulation of endothelin-1 expression by histone acetylation/deacetylation in diabetes
Simona Adriana Manea (Bucharest, Romania)
- P02-036 The investigation of genetic analysis of genes encoding sperm nuclear proteins with the effects on fertility in infertile men
Buket Altinok (Ankara, Turkey)
- P02-037 High glucose-induced NADPH oxidase expression and activity is mediated by histone acetylation/deacetylation mechanisms in vascular smooth muscle cells
Adrian Manea (Bucharest, Romania)
- P02-038 Association of Conrin (YBX2) 187T>C and 1095+16A>G single nucleotide polymorphisms with male factor infertility
Yalda Hekmatshoar (Ankara, Turkey)

- P02-039 Bacterial mutagenicity, oxidative stress and DNA damage caused by airborne particulate matter PM collected from Thessaloniki
Ekaterini Velali (Thessaloniki, Greece)
- P02-040 InMethyl: the design of target-specific primer combinations for PCR amplification and bisulfite sequencing of complete CpG-islands
George Krasnov (Moscow, Russian Federation)
- P02-041 Treatment with clinical doses of anti-cancer drug etoposide induce specific chromosomal aberrations in leukocytes RUNX1 gene
Nicolás Schnake (Concepción, Chile)
- P02-042 RUNX1 chromosomal break point region harbors a regulatory element modulated by RUNX1
Marcela Hinojosa-Moreno (Concepción, Chile)
- P02-043 DNA-caffeine interaction in the presence of Mg²⁺ and Cu²⁺ ions
Sofia Paston (St.Petersburg, Russian Federation)
- P02-044 KLF4 is overexpressed after treatment with 5-ITu, an inhibitor of Haspin, in mouse embryonic stem cells
Spyros Georgatos (Ioannina, Greece)
- P02-045 5-aza-deoxycytidine has differential effects on DNA methylation patterns and histone modifications
Julieta Sepulveda (Punta Arenas, Chile)
- P02-046 The study of DNA methylation based on luminometric methylation assay in Elodea canadensis under different salinity
Natalja Škute (Daugavpils, Latvia)
- P02-047 Evaluation of luminometric methylation assay for DNA methylation study in typical hydrobiont clonal population (Daphnia) under climate temperature changes
Natalja Škute (Daugavpils, Latvia)
- P02-048 Nucleosome occupancy and epigenetic modification in the alternative splicing site of Kras gene in colorectal cancer
Angela Leticia Riffo-Campos (Valencia, Spain)
- P02-049 Accessory domains of eukaryotic abasic site endonucleases and thymine-DNA glycosylases: Their evolution and possible role in epigenetic regulation
Dmitry Zharkov (Novosibirsk, Russian Federation)
- P02-050 Understanding the role of CFP1 in regulating chromatin modification and transcription at CpG island associated genes
Vincenzo Di Cerbo (Oxford, United Kingdom)
- P02-051 Controlling the methylation writer: regulation of Dnmt3a DNA methyltransferase by oligomerisation
Renata Jurkowska (Stuttgart, Germany)
- P02-052 Expanding the substrate scope of the Jumonji C histone demethylases
Louise Walport (Oxford, United Kingdom)
- P02-053 Genetic evidence of the role of PCNA post-translational modifications in DNA damage tolerance
Judit Gervai (Budapest, Hungary)
- P02-054 Role of AhR-regulated Alu transposon in insulation and chromatin structure of pluripotency genes OCT4 and NANOG
Francisco Javier González Rico (Badajoz, Spain)
- P02-055 Drosophila Opbp protein regulates divergently-paired genes with different expression levels
Nikolay Zolotarev (Moscow, Russian Federation)
- P02-056 In vivo structural mapping of FACT-histone interactions using genetically encoded crosslinkers
Christian Hoffmann (Göttingen, Germany)

P03 Turning Signals into Messages – the Complexity of Gene Regulation

- P03-003-SP A PARP1-ERK2 synergism is required for the induction of synaptic plasticity
Malka Cohen-Armon (Tel-Aviv, Israel)
- P03-004-SP DNA damage response: Mechanism of transcriptional regulation by p53 leading to cell cycle arrest
Kurt Engeland (Leipzig, Germany)
- P03-006-SP Programmed translation arrest controlling antibiotic resistance genes relies on the sequence context of the nascent peptide stalling domain
Nora Vazquez-Laslop (Chicago, United States of America)
- P03-007 Unraveling the members of a DNA-binding complex of a bacterial haloacid operon
Jimmy Tsang (Hong Kong, People's Republic of China)
- P03-008 Regulation of Cyp17a1 in the liver- an example for a general impact of morphogenic signaling on gender-specific gene expression?
Christiane Rennert (Leipzig, Germany)
- P03-009 Expression of genes, encoding enzymes of auxin biosynthesis in Arabidopsis plants with altered ubiquitin signaling
Daria Romanyuk (Saint-Petersburg, Russian Federation)
- P03-011 The aetiology of genetic, acquired and sporadic prion diseases
Neila Bajrami (Tirana, Albania)
- P03-012 Indirect regulation of Claudin 6 gene expression by triiodothyronine in estrogen-positive breast cancer cell line
Sandro Conde (São Roque, Brazil)
- P03-013 Knockin' on pHeaven's Door: A fast and reliable high-throughput-compatible zero-background cloning procedure
Sandy Hallmann (Berlin, Germany)
- P03-014 Thrombin-induced IL-8/CXCL8 expression is mediated by ORMDL3, ATF6, and AP-1 signaling pathways in human lung epithelial cells
Bing-Chang Chen (Taipei, Republic of China)
- P03-015 Epidermal growth factor receptor promotes prostate cancer bone metastasis through down-regulation of miR-1 and activation of TWIST1
Yen-Nien Liu (Taipei, Republic of China)
- P03-016 Wnt/ β -catenin signaling pathway does not regulate c-myc gene expression in 42GPA9 (mouse adult Sertoli) cell line
Camila López (Valdivia, Chile)
- P03-017 Structure and function of heme-responsive transcriptional regulator HrtR
Shigetoshi Aono (Okazaki, Japan)
- P03-018 Protein kinase CK2 mediates cross talk between auxin- and salicylic acid-signaling pathways in Arabidopsis
M. Carmen Martínez (Barcelona, Spain)
- P03-019 A regulatory SNP modifies Cystic Fibrosis by disrupting NF-KB complexes binding on FAS
CHIDIEBERE Awah (Hannover, Germany)
- P03-020 Investigating the pleiotropic biochemical effect of warfarin
Huma Shafiq (Islamabad, Pakistan)
- P03-021 Intestinal inflammation alters the expression of HDL genes in human and mouse cells by different mechanisms
Dimitris Kardassis (Heraklion, Greece)
- P03-022 Gene expression profile of Thermoplasma volcanium GSS1 under mild and severe oxidative stress
Sema Zabcı (Ankara, Turkey)

- P03-023 Modulation of the host cell RNA splicing program by the gastric pathogen *Helicobacter pylori*
Frithjof Glowinski (Berlin, Germany)
- P03-024 ZNF224 is a novel transcriptional repressor of c-myc oncogene in Chronic Myelogenous Leukemia
Gaetano Sodaro (Naples, Italy)
- P03-025 Histone deacetylase 3 and 4 complex activates transcriptional activity of mineralocorticoid receptor
Hae-Ahm Lee (Daegu, Republic of Korea)
- P03-026 A case-control study of type 2 diabetes mellitus
Dóra Koller (Budapest, Hungary)
- P03-027 Casein kinase 1 δ regulates Hypoxia Inducible Factor-2 α by direct phosphorylation
Evanthia Pangou (Larissa, Greece)
- P03-028 Mechanism of atypical pro-death signalling mediated by the Heat Shock Factor 1
Joanna Korfanty (Gliwice, Poland)
- P03-029 Cadmium, cobalt and nickel inhibit sequence-specific DNA binding of p63 and p73 proteins in vitro and in cells
Pavla Bazantova (Ostrava, Czech Republic)
- P03-030 Expression of CacyBP/SIP gene in colon cancer HCT116 and neuroblastoma NB2a cells
Anna Filipek (Warsaw, Poland)
- P03-031 Epidermal growth factor induced intestinal sodium-glucose cotransporter 1 gene expression through activation of cAMP response element binding protein
Tsu-Chung Chang (Taipei, Republic of China)
- P03-032 Combined interactions of plant homeodomain and chromodomain regulate NuA4 activity at DNA double-strand breaks
Wen-Pin Su (Tainan, Republic of China)
- P03-033 AIBp regulates mitotic entry and mitotic spindle assembly by controlling activation of both Aurora-A and Polo-like Kinase 1
Yi-Ren Hong (Kaohsiung, Republic of China)
- P03-034 Search for new genes involved in the integrated stress response
Alisa Garaeva (Moscow, Russian Federation)
- P03-035 Functional investigations of the monogenic diabetes gene HNF1A identify rare variants as risk factors for type 2 diabetes in a general population
Laeya Najmi (Bergen, Norway)
- P03-036 Angiotensin converting enzyme II deficiency accelerates the progression of COPD via irregular signaling STAT3 phosphorylation
Chih-Sheng Lin (Hsinchu, Republic of China)
- P03-037 Histone deacetylase inhibition (HDACi), but not an mineralocorticoid receptor (MR) antagonist spironolactone, attenuates transcriptional activity of activating mutant MRS810L
Seol Hee Kang (Daegu, Republic of Korea)
- P03-038 Signal integration by the CYP1A1 promoter – a quantitative study
Albert Braeuning (Berlin, Germany)
- P03-039 In response to alien RNA polymerase: bacteriophage T7 evolves promoters by their electrostatic properties
Alexander Osypov (Pushchino, Russian Federation)
- P03-040 Evolutionary dynamics of DNA-binding sites and direct target genes of a floral master regulatory transcription factor
Jose Muino (Berlin, Germany)
- P03-041 The nuclear dioxygenase Jmjd6 regulates macrophage host responses
Andreas Lengeling (Easter Bush, United Kingdom)

- P03-042 A quantitative study of dual signal integration by the CYP1A1 promoter
Pascal Schulthess (Berlin, Germany)
- P03-043 Disturbance of gene expression in primary human hepatocytes by hepatotoxic pyrrolizidine alkaloids: a whole genome transcriptome analysis
Claudia Luckert (Berlin, Germany)
- P03-044 Bilirubin neurotoxicity involves inflammatory response via ER stress
Mohammed Qaisiya (Trieste, Italy)
- P03-045 Transactivation of the human ADAMTS-2 gene promoter through proinflammatory cytokine TNF- α in osteoblast-like cells
Feray Kockar (Balikesir, Turkey)
- P03-046 Transcription of PSMD4 gene is upregulated in hypoxia in prostate cancer cells
Feray Kockar (Balikesir, Turkey)
- P03-047 High fructose diet up-regulates insulin and its down-stream signaling components in abdominal omentum tissues: Effects of resveratrol
Hicret Yalçın (Karaman, Turkey)
- P03-048 Strong E. coli rrnB P1 promoter mutants possess pronounced electrostatic up-elements
Alexander Osypov (Pushchino, Russian Federation)
- P03-049 TGF- β upregulates URG-4/URGCP gene expression in Hepatoma cells
Feray Kockar (Balikesir, Turkey)
- P03-050 Response of novel Bacillus marmarensis GMBE 72T to extreme conditions: Poly (3-hydroxybutyrate)
Tuğba Özgören (Istanbul, Turkey)
- P03-051 Electrostatic properties of Mycobacterium leprae genes starts reflect massive pseudogenization and strictly intracellular parasitic life
Alexander Osypov (Pushchino, Russian Federation)
- P03-052 A functional distinction between SAFB1 and SAFB2 via their distal Gly/Arg rich C-terminal domain
Sotiria Drakouli (Larisa, Greece)
- P03-053 Bending and electrostatics in transcription regulation are evident in genes starts in the context of organisms temperature preferences
Alexander Osypov (Pushchino, Russian Federation)
- P03-054 The determination of effect of some antibiotics on paraoxonase 2 (PON2) enzyme activities in human macrophages cell
Ayla Solmaz Avcıkurt (Balikesir, Turkey)
- P03-055 Suppression of RUNX1-RUNX1T1 gene expression leads to activation of both survival and proliferation signaling in acute myeloid leukemia cells
Pavel Spirin (Moscow, Russian Federation)
- P03-056 Rho-independent terminators may rely on electrostatics in their function
Alexander Osypov (Pushchino, Russian Federation)
- P03-057 Sex description of cells supplied by commercial vendors
Suk Kyeong Lee (Seoul, Republic of Korea)
- P03-058 Paraoxonase1 gene polymorphisms and serum paraoxonase activity in Turkish non-hodgkin lymphoma patients
Ercan Cinar (Adana, Turkey)
- P03-059 Genes starts electrostatic profiles of phages resemble that of their hosts in a wide variety of prokaryotic taxa
Alexander Osypov (Pushchino, Russian Federation)
- P03-060 Systematic analysis of H3K27ac ChIP-seq for identification of transcriptional regulators and their target genes
Su Wang (Shanghai, People's Republic of China)

- P03-061 Functional transcription factor binding sites from IL2Ra locus that contain SNPs associated with autoimmune pathologies
Anton Shvarts (Moscow, Russian Federation)
- P03-062 Characterization of genomic island responsible for the increased thermotolerance in Cronobacter strains
Hana Drahovska (Bratislava, Slovakia)
- P03-063 Guanine-rich sequence-binding factor 1 binds to G-quadruplex structures in RNA
Sajad Sofi (Berlin, Germany)
- P03-064 Dynamic transitions in gene expression states during neuronal differentiation
Elena Torlai Triglia (Berlin, Germany)
- P03-065 Sec16 alternative splicing controls the adaptation of the COPII machinery to higher secretory cargo load upon T-cell activation
Ilka Wilhelmi (Berlin, Germany)
- P03-066 Inhibition of ERN1 signaling of endoplasmic reticulum stress affects the expression of TNF receptor genes in U87 glioma cells
Iryna Kryvdiuk (Kyiv, Ukraine)
- P03-067 FGF21 is down regulated by fasting in mice under leucine deficient diet
Albert Pérez Martí (Barcelona, Spain)
- P03-068 Sumoylation of Histone deacetylase 2 regulates tumor relevant gene expression patterns
Tobias Wagner (Jena, Germany)
- P03-069 CK1 δ inhibits HIF-1-dependent induction of lipin-1 and reduces both lipid accumulation and cell proliferation under hypoxia
Maria Kourtí (Larisa, Greece)
- P03-070 RNA half lives and transcriptional delays determine transcript dynamics in response to MAP kinase signalling
Florian Uhlitz (Berlin, Germany)
- P03-071 Investigating a model of combinatorial gene regulation by FOX and E-box-binding factors in FLT3-ITD Acute Myeloid Leukaemia
Liam Niall Gilding (Birmingham, United Kingdom)

P04 Translational Control and Protein Turnover

- P04-001-SH Functional characteristics of a translational silencing element in the mRNA of I κ B ζ
Gesine Behrens (Hannover, Germany)
- P04-002-SH A short internal ORF in the leaf necrosis associated factor gene encodes a novel peptide controlling maternal mRNA accumulation
Ekaterina Sheshukova (Moscow, Russian Federation)
- P04-003-SH Determining protein-protein interactions between translation initiation factors eIF2 and eIF2B
Patrick Murphy (Sheffield, United Kingdom)
- P04-004-SH mTORC2 balances Akt activation and eIF2 α serine 51 phosphorylation to promote survival under stress
Antonios Koromilas (Montreal, Canada)
- P04-005-SP Mechanistic dissection of the early phase of UsnRNP biogenesis uncovers a role of ribosomes in assembly and RNP homeostasis
Rajyalakshmi Meduri (Würzburg, Germany)
- P04-006-SP The Ubiquitin-Proteasome System as a central regulator of cellular antioxidant responses, mitostasis and proteostasis
Ioannis Trougakos (Athens, Greece)
- P04-007-SP Cardiac sympathetic neuron distribution controls myocardial cell size by local modulation of cardiomyocyte proteostasis
Nicola Pianca (Padova, Italy)

- P04-008-SP Stat1 stimulates cap-independent mRNA translation to inhibit proliferation and promote survival in response to anti-tumor drugs
Antonis Koromilas (Montreal, Canada)
- P04-009 Low expression of Stem-Loop Binding Protein (SLBP) in G1 is ensured by coordinate action of different postranscriptional mechanisms
Umidahana Djakbarova (Istanbul, Turkey)
- P04-010 The tumor suppressor gene TIP30 impedes pressure overload induced cardiac hypertrophy by inhibiting protein synthesis
Andrea Grund (Hannover, Germany)
- P04-011 Sumoylation of thymidylate synthase enhances its stability
Shin-Pei Chai (Taipei, Republic of China)
- P04-012 Human LACE1 mediates degradation of nuclear-encoded complex IV subunits, acts pro-apoptotic and functionally interacts with p53 tumor suppressor
Jana Cesnekova (Prague, Czech Republic)
- P04-013 Expression of bovine cytochrome P450_{scc} enzyme system in *Saccharomyces cerevisiae* cells as a self-processing polyprotein
Vera Efimova (Moscow, Russian Federation)
- P04-014 Role of ZFAND family members in proteasomal protein degradation
Ankit Turakhiya (Würzburg, Germany)
- P04-015 Evidence for translational regulation of the ZAC1 transcription factor in prostate cancer cells
Wolfgang Schulz (Düsseldorf, Germany)
- P04-016 Kallikrein 11 as a novel biomarker in meningioma and glioblastoma tumors
Gamze Turna (Kirsehir, Turkey)
- P04-017 Regulation of p53-dependent metabolic functions by zinc finger protein ZPR9
Hyunjung Ha (Cheongju, Republic of Korea)
- P04-018 An inter-organ crosstalk exists to regulate the bioavailable copper levels in circulation
Ekaterina Ilyechova (Saint Petersburg, Russian Federation)
- P04-019 The mechanism of the crocin-induced apoptosis in primary epithelial breast cancer cells
Nassim Faridi (Tehran, Islamic Republic of Iran)
- P04-020 Interactions of DnaA protein with DnaA boxes in Origin of replication in acetic acid cells
Juraj Bugala (Bratislava, Slovakia)
- P04-021 Human translational elongation factor eEF1 γ subunit utilizes its GST-like domain to form an eEF1B complex and interact to aminoacyl-tRNA synthetases
Yoon Seo Choi (Daegu, Republic of Korea)
- P04-022 A complex structure of human EPRS and AIMP2 GST-like domains
Yoon Seo Choi (Daegu, Republic of Korea)
- P04-023 Investigation of factors influencing the heterologous production of polyomavirus-like particles in yeast
Alma Gedvilaite (Vilnius, Lithuania)
- P04-024 TCTP is induced early in colorectal cancer, it is translationally regulated via the Akt/mTORC1 pathway, and it contributes to the resistance of HCT116 colon cancer cells to 5-FU and oxaliplatin
Ulrich Bommer (Wollongong, Australia)
- P04-025 The catalytic core of HIV-1 integrase is essential for the binding of integrase to its cellular co-factor Ku70
Andrey Anisenko (Moscow, Russian Federation)
- P04-026 Melanogenesis: different molecular mechanisms are involved in cutaneous and uveal melanocytes
Nunzia Caporarello (Catania, Italy)

- P04-027 Transforming growth factor- β 3 regulates cell junction restructuring via MAPK-mediated mRNA destabilization and Smad-dependent protein degradation of Junctional adhesion molecule B (JAM-B)
Wing-Yee Lui (Hong Kong, People's Republic of China)
- P04-028 A transcriptional and translational approach of silica nanoparticles exposure to human lung fibroblasts
Sorina Nicoleta Petrache (Bucharest, Romania)
- P04-029 Regulation of E3 ligases: Conservation of the auto-inhibitory mechanism inside the Nedd4-family
Natalia Ruetalo (Tübingen, Germany)
- P04-030 Production of the recombinant tetrameric butyrylcholinesterase with improved pharmacokinetic properties for the protection against organophosphate poisoning
Stanislav Terekhov (Moscow, Russian Federation)
- P04-031 Amino acid specificity of the *Escherichia coli* leucyl-tRNA synthetase editing domain
Morana Dulic (Zagreb, Croatia)
- P04-032 Liver iron regulates hepcidin expression. Studies in a rat model of chronic renal failure under recombinant human erythropoietin therapy
Sandra Ribeiro (Porto, Portugal)
- P04-033 Development of highthroughput screening systems based on FACS or microfluidic devices for the directed evolution of chitinases
Gheorghita Menghiu (Timisoara, Romania)

P08 Organelle Dynamics and Communication

- P08-001-SH Endosomal control of tetraspanin-based functional hubs at the plasma membrane
Nicole Kleineniggenkemper (Muenster, Germany)
- P08-002-SH Characterization of the human PEX14-microtubule interaction
Lena Brühl (Bochum, Germany)
- P08-003-SH Proteomic analysis of the yeast mitochondrial ribosome
Michael Woellhaf (Kaiserslautern, Germany)
- P08-004-SH Coupling to partner proteins modulates functional specificity of Mdm10 in mitochondrial biogenesis
Thomas Becker (Freiburg, Germany)
- P08-005-SP Fatty acid beta-oxidation promotes normal peroxisome distribution, morphology and function in Arabidopsis seedlings
Mauro Rinaldi (Houston, United States of America)
- P08-006-SP Nup50, a novel key factor required for postmitotic assembly of nuclear pore complexes
Paola De Magistris (Tübingen, Germany)
- P08-007-SP The role of Septin 1 in maintaining the Golgi architecture
Claudia Gras (Berlin, Germany)
- P08-008-SP miRNAs targeting MPRs and AP1 subunits regulate lysosomal function
Lorena Urbanelli (Perugia, Italy)
- P08-009 Use of fungi as biological decontamination of organophosphorous compounds and heavy metals pollutants in water
Ibrahim Elghrabawy (Tanta, Egypt)
- P08-010 The effects of bile acids on the liver mitochondria in the presence and absence of Ca²⁺
Ekaterina Khoroshavina (Yoshkar-Ola, Russian Federation)
- P08-011 Uncouplers inhibit clonal expansion of mutant mitochondrial DNAs
Iuliia Karavaeva (Moscow, Russian Federation)

- P08-012 Retrograde signaling pathway controls survival during cell cycle arrest in yeast cells
Anna Zyrina (Moscow, Russian Federation)
- P08-013 The J protein Djp1 is involved in the targeting of mitochondrial precursor proteins
Katja Hansen (Kaiserslautern, Germany)
- P08-014 Induction of mitochondrial permeability transition by dequalinium
Yoshiharu Takiguchi (Tokushima, Japan)
- P08-015 CRISPR/Cas9-mediated endogenous protein tagging for super-resolution microscopy and its application for studying mitochondrial dynamics
Michael Ratz (Göttingen, Germany)
- P08-016 Long-Chain inorganic polyphosphate is highly enriched in osteoblastic matrix vesicles
Julian Tanner (Hong Kong, People's Republic of China)
- P08-017 Endothelial mitochondrial homeostasis is enhanced by shear stress
Ling Wang (Hualien, Republic of China)
- P08-018 Nonthermal effect and safety of DBD-bioplasm on fibroblasts: A new molecular validation of bioplasm using the levels of HSP70 in cells
Ja-Young Jang (Seoul, Republic of Korea)
- P08-019 Intersectin-1s: a novel nucleo-cytoplasmic endocytic protein
Annalisa Radeghieri (Brescia, Italy)
- P08-020 Protein profile of erythrocyte membranes in acute pancreatitis: potential targets for therapeutic intervention
Iulija Azarova (Kursk, Russian Federation)
- P08-021 What is the role of FAB1C in PSY1 mediated cell growth?
Marlen Landschreiber (Frederiksberg, Denmark)
- P08-022 Lys-plasminogen affects platelet secretion and cytoskeleton rearrangement
Vasyl Bilous (Kyiv, Ukraine)
- P08-023 Proteins of plasma membranes of villous syncytiotrophoblast and their posttranslational modification in case of placental insufficiency
Anastasia Nikashina (Rostov-on-Don, Russian Federation)
- P08-024 siRNA mediated downregulation of LETM1 results in decreased expression of OPA1
Cenk Aral (Tekirdag, Turkey)
- P08-025 Isolation and characterization of different local salmonella strains from Northern Iraq
Sheerzad Ahmad (Sulaimaniya, Iraq)
- P08-026 The Role of ATF6 in Endoplasmic Reticulum Stress response in pancreatic β cell
Hasibe Verdi (Ankara, Turkey)
- P08-027 Super-hub mechanism of calcium signaling in atria
Sören Brandenburg (Göttingen, Germany)
- P08-028 The language of telocytes: understand their involvement in tissue morphogenesis/regenerative medicine
Iurie Roatesi (Bucharest, Romania)
- P08-029 Defining the role of SEPT9 in ciliogenesis
William Trimble (Toronto, Canada)
- P08-030 Dephosphorylation of the ATPase Inhibitory Factor 1 (IF1) determines its interaction and biological activity on the H⁺-ATP-synthase
Javier Garcia-Bermudez (Madrid, Spain)
- P08-031 Regulation of cargo delivery to lysosomes by Beclin-1 and its role in the proteolytic processing of the amyloid precursor protein (APP)
Alexis Gonzalez (Valdivia, Chile)

- P08-032 Novel insights into the molecular mechanisms that mediated incorporation of the amyloid precursor protein into multivesicular bodies
Patricia Burgos (Valdivia, Chile)
- P08-033 The combined role of long chain acyl-CoA synthetase 2, long chain acyl-CoA synthetase 4 and long chain acyl-CoA synthetase 9 in lipid metabolism of Arabidopsis
Melike Yuksel Tek (Göttingen, Germany)
- P08-034 New insights in telocytes role: intercellular signaling from novel in vitro approaches
Dragos Cretoiu (Bucharest, Romania)
- P08-035 SEPT9 negatively regulates ubiquitin-dependent downregulation of EGFR
Michael Krauss (Berlin, Germany)
- P08-036 Improvement of endothelial function in cardiac syndrome X by metoprolol
Yousef Rasmi (Urmia, Islamic Republic of Iran)
- P08-037 Mitochondrial and lysosomal permeabilization and reactive oxygen species mediate Patulin and Sterigmatocystin cytotoxicity on CHO-K1
Nidhal Zouaoui (Monastir, Tunisian Republic)

P09 Autophagy and Degradation

- P09-001-SH Organisation of Atg8 lipidation by Atg21
Roswitha Krick (Göttingen, Germany)
- P09-002-SH Implications of PINK1-mediated ubiquitin Ser65 phosphorylation
Tobias Wauer (Cambridge, United Kingdom)
- P09-003-SH Function of flotillins in endosomal sorting of cargo proteins
Ritva Tikkanen (Giessen, Germany)
- P09-004-SH CUL3-KBTBD6/KBTBD7 ubiquitin E3 ligase cooperates with ubiquitin-like GABARAP proteins to spatially restrict TIAM1-RAC1 signalling
Christian Behrends (Frankfurt am Main, Germany)
- P09-005-SP Glutathione depletion in spermatogonia-type germ cells: Autophagy and Ago2 function
Hector Mancilla (Valdivia, Chile)
- P09-006-SP ERK- and AMPK-mediated autophagy protects Burkitt lymphoma cells from oxidative stress by increasing the activity of the ROS transforming enzymes SOD1, SOD2 and catalase
Katrin Birkenmeier (Frankfurt am Main, Germany)
- P09-007-SP The dual role of proteases in regulation of autophagic cell death
Boris Khalfin (Beer-Sheva, Israel)
- P09-008 The effect of long-chain α,ω -dioic acids on mitochondria
Mikhail Dubinin (Yoshkar-Ola, Russian Federation)
- P09-009 EGCG antagonizes Bortezomib cytotoxicity in prostate cancer cells by an autophagic mechanism
Alice Modernelli (Parma, Italy)
- P09-011 SIRT1/ autophagy: A cardioprotective response to Zearalenone-induced endoplasmic reticulum stress
Intidhar Ben Salem (Monastir, Tunisian Republic)
- P09-012 Modulation of SUMOylation by cholesterol-dependent cytolysins
Jiexin Li (Hong Kong, People's Republic of China)
- P09-013 Diazinon induces endoplasmic reticulum stress and autophagy in cardiomyoblasts (H9C2)
Manel Boussabbah (Monastir, Tunisian Republic)
- P09-014 The investigation of possible protective effect of taurine on extracellular matrix and related signaling pathway in renal ischemia/reperfusion model
Cemre Ural (Izmir, Turkey)

- P09-015 EBR induced autophagy in colon carcinoma cell lines
Kaan Adacan (Istanbul, Turkey)
- P10 Redox-Regulation of Biological Activities**
- P10-003-SP The specificity of thioredoxins and glutaredoxins is determined by electrostatic and geometric complementarity and not by redox potential
Christopher Horst Lillig (Greifswald, Germany)
- P10-004-SP G6PC3 deficient human white blood cells exhibit distinct endoplasmic reticulum stress response
Rebeka Pittner (Budapest, Hungary)
- P10-005-SP Redox regulation of Na,K-ATPase activity at pathological conditions
Irina Petrushanko (Moscow, Russian Federation)
- P10-006-SP Unfolded protein response to the hypercholesterolemia induced endoplasmic reticulum stress in atherosclerosis
Perinur Bozaykut (Istanbul, Turkey)
- P10-007 Cardiac hypertrophy induced in mitochondrial NADP+-dependent isocitrate dehydrogenase knockout mice
Jeen-Woo Park (Daegu, Republic of Korea)
- P10-008 c-Src-dependent EGFR transactivation mediates CORM-2-induced HO-1 expression in human tracheal smooth muscle cells
Chih-Chung Lin (Kwei-San, Republic of China)
- P10-009 The Yin and Yang of hydrogen turnover. [FeFe]-Hydrogenases analysed by ATR FT-IR
Sven Stripp (Berlin, Germany)
- P10-010 Mitochondrial Ca²⁺ uptake is regulated by the Ca²⁺-dependent interaction of a disulfide-linked MICU1-MICU2 dimer which is formed by Mia40
Carmelina Petrunger (Kaiserslautern, Germany)
- P10-011 Inhibition of human peroxiredoxin 5 by catechol derivatives: an enzymatic kinetic approach
Melissa Chow (Villeurbanne, France)
- P10-012 Functional state of rat heart muscle cells and blood antioxidant system under psycho-emotional stress
Natalia Dachanidze (Tbilisi, Georgia)
- P10-013 The effect of various antioxidants in cell death-related oxidative stress
Nežka Kavčič (Ljubljana, Slovenia)
- P10-014 Molecular determinants for cytosolic Fe/S cluster insertion
Dominique Bechtel (Kaiserslautern, Germany)
- P10-015 Biochemical characterization of a novel azoreductase from *Rhodococcus opacus* 1cp
Jingxian Qi (Freiberg, Germany)
- P10-016 Identification and characterization of novel bacterial [FeFe]-hydrogenases for exploitation as highly efficient H₂-producing catalysts
Mariaconcetta Arizzi (Torino, Italy)
- P10-017 Sulfation of quercetin reduces its biological activity
Lenka Roubalová (Olomouc, Czech Republic)
- P10-018 Redox control of cytoskeletal dynamics: toggling the thiol switch in CRMP2
Manuela Gellert (Greifswald, Germany)
- P10-019 Oxidizer and reducer different effects on proton-translocating FoF1-ATPase activity of *Rhodobacter sphaeroides* membrane vesicles
Lilit Gabrielyan (Yerevan, Armenia)
- P10-020 Recombinant human HSP60 produced in ClearColi™ BL21(DE3) lacks cytokine activity mediated by the NFκB pathway
Brice Nativel (Saint Denis, Reunion)

- P10-021 Inhibition of glycerol-3-phosphate oxidase activity of liver mitochondria by palmitic acid in the presence of ATP and tert-butylhydroperoxide
Mikhail Dubinin (Yoshkar-Ola, Russian Federation)
- P10-022 The evaluation of certain biochemical antioxidant markers in the blood of patients with schizophrenia
Radu Dumitru Rosoiu (Constanta, Romania)
- P10-023 Vesicular transport and small G proteins are involved in glutoxim and molixan effect on intracellular Ca²⁺ concentration in macrophages
Alexandra Naumova (Saint-Petersburg, Russian Federation)
- P10-024 The involvement of actin-binding proteins in glutoxim and molixan effect on intracellular Ca²⁺ concentration in macrophages
Alexandra Naumova (Saint-Petersburg, Russian Federation)
- P10-025 Correlations between some enzymatic antioxidants and some cations in patients with affective depressive disorder
Domnica-Mirela Samargiu (Constanta, Romania)
- P10-026 Modification of the mechanism regulating the iron metabolism and correlation with oxidative stress in associated pathology of chronic hepatitis C and rheumatoid arthritis
Daniela Ghidus (Constanta, Romania)
- P10-027 Silver Nanoparticle as antihemolytic agent
Samaneh Zolghadri (Jahrom, Islamic Republic of Iran)
- P10-028 Assessing the level of medium-weight molecules in the semen of men of reproductive age in the area of environmental crisis of Aral Sea region
Berkbay Kultanov (Karaganda, Kazakhstan)
- P10-029 Oxidative status of neutrophils from patients on chronic hemodialysis
Assel Nurgaliyeva (Karaganda, Kazakhstan)
- P10-030 The relation between the erythrocytes' glutathione-dependent antioxidant enzymes and the consumption of a nutritional supplement in post-acute stroke patients
Bogdan Manolescu (Bucharest, Romania)
- P10-031 Hypoxia/reperfusion injury evaluated in a cardiac cell model: protection by antioxidant plant extracts
Olga Coutinho (Braga, Portugal)
- P10-032 *Escherichia coli* hydrogenase activity and H₂ production during fermentation of mixture of glucose, glycerol and formate
Karen Trchounian (Yerevan, Armenia)
- P10-033 Expression of cellobiose dehydrogenase from *Phanerochaete chrysosporium* in yeast *Saccharomyces cerevisiae* for directed evolution
Marija Blazic (Belgrade, Serbia)
- P10-034 Molecular dissection of Mia40 functions in *Saccharomyces cerevisiae*
Valentina Peleh (Kaiserslautern, Germany)
- P10-035 Molecular dissection of the mitochondrial protein import machinery
Ajay Ramesh (Kaiserslautern, Germany)
- P10-036 RAW 264.7 response to quantum dots generated ROS decides cellular fate: activation versus necrosis
Loredana Stanca (Bucharest, Romania)
- P10-037 Bacillary proteases as potential agents for atherosclerosis prevention
Luliia Danilova (Kazan, Russian Federation)
- P10-038 Regulation of redox status in placenta in case of physiological pregnancy and complicated pregnancy
Anastasia Nikashina (Rostov-on-Don, Russian Federation)
- P10-039 Full-length adiponectin protects platelet from activation and apoptosis
Azize Sener (Istanbul, Turkey)

- P10-040 Changes in hepatic insulin signaling and inflammatory responses in streptozotocin induced diabetes: Effects of resveratrol
Gökhan Sadi (Karaman, Turkey)
- P10-041 Effect of apple polyphenol extracts on glycoxidation of intestinal cells
Tiziana Bacchetti (Ancona, Italy)
- P10-042 Mitochondrial complex I and II activities of lymphocytes in children with traumatic brain injury
Rustam Zakirov (Moscow, Russian Federation)
- P10-043 Modeling experimental atherosclerosis in rabbits for investigation of antioxidant proteins expression
Liliya Skvortsova (Almaty, Kazakhstan)
- P10-044 How does mitochondrial Grx2 protect from doxorubicin toxicity, cardiolipin peroxidation and apoptosis?
Daniel Trnka (Greifswald, Germany)
- P10-045 Activity of succinate dehydrogenase in T- lymphocytes subsets in children with genetically diagnosed glycogen storage disease type I
Olga Kurbatova (Moscow, Russian Federation)
- P10-046 The effects of quercetin on mildly oxidized LDL-induced oxidative modifications and reduced NO bioavailability in platelets
Azize Sener (Istanbul, Turkey)
- P10-047 Nucleoredoxin – a potential cytosolic dithiol oxidase
Claudia Urbainsky (Greifswald, Germany)
- P10-048 Inhibition of Monoamineoxidase A(Mao-A) by some herbal medicines
Begumhan Yilmaz (Balikesir, Turkey)
- P10-049 Evolution of b-type cytochromes in prokaryotes
Vassilki Lila Koumandou (Athens, Greece)
- P10-050 Hypochlorous acid influence on neutrophils functional activity
Galina Semenkova (Minsk, Belarus)
- P10-051 Neutrophil to lymphocyte ratio as a measure of systemic inflammation in psoriasis
Fikret Akyurek (Konya, Turkey)
- P10-052 Relations between concentrations of asymmetric dimethylarginine and homocysteine in chronic obstructive pulmonary disease
Emre Avci (Çorum, Turkey)
- P10-053 Oxidative stress is involved in the antimalarial activity of dehydroepiandrosterone
Martha Legorreta-Herrera (Mexico City, Mexico)
- P10-054 Oxidative stress and antioxidant status in patients with asthma
Gulcin Alp Avci (Corum, Turkey)
- P10-055 Determination of transforming growth factor beta-1 levels in hemodialysis-treated non-diabetic patients
Burcin Ozcelik (Corum, Turkey)
- P10-056 The influence of physical exercise program with whole-body cryostimulation treatment on activity of antioxidant enzymes in obese human
Anna Lubkowska (Szczecin, Poland)
- P10-057 Alterations of the antioxidant status induced by the exposure to phospholipidic micelles magnetic nanoparticles in mouse lung tissue
Mihaela Radu (Bucharest, Romania)
- P10-058 Redox-active metal complexes with functionalized 1,2-dihydroxybenzene ligands as antimicrobial agents: evaluation of cytochromes c as probable molecular targets
Yaroslav Faletrov (Minsk, Belarus)

- P10-059 Antioxidant capacity of daily consumed peach fruit juice and its antimicrobial effect on *Proteus mirabilis*
Yesim Kumbet (Ankara, Turkey)
- P10-060 Anti-oxidant Properties of the Seeds of *Gundelia tournefortii* L.
Sule Sahin (Ankara, Turkey)
- P10-061 Post-translational redox modifications of proteins in mitochondria
Philip Riemenschneider (Kaiserslautern, Germany)
- P10-062 Degradation of extracellular NAD and its metabolites in cultures of human cells
Mathias Ziegler (Bergen, Norway)
- P10-063 Presence of chronic varicose veins related to increased serum ceruloplasmin levels in adults: a cross sectional study
Hatice Sezen (Sanliurfa, Turkey)
- P10-064 High serum total free thiol levels in patients with high serum HDL-C: a cross-sectional study in adult healthy volunteers
Nurten Aksoy (Sanliurfa, Turkey)
- P10-065 Hydrogen peroxide-induced oxidative damage in human mononuclear leukocyte: The anti-genotoxic effects of H. Perforatum extract on DNA damage
Necmettin Aktepe (Mardin, Turkey)
- P10-066 Research of indicators of secondary catabolites of lipid peroxidation (LPO) and the endogenous intoxication of men living in ecologically unfavorable Kyzylorda region (Kazakhstan)
Berikbay Kultanov (Karaganda, Kazakhstan)
- P10-067 Glutathione reductase is essential for growth and its overexpression leads to defective hyphal growth and attenuated virulence of *Candida albicans*
MyungHee Ku (Seoul, Republic of Korea)
- P10-069 Novel NAD(H)-linked methylglyoxal dehydrogenase is induced in glutathione-depleted *Candida albicans*
Sang-Min Shin (Seoul, Republic of Korea)

P14 Probing Cellular Function with Small Molecules

- P14-001-SH Light controlled protein sequestration in living cells
Richard Wombacher (Heidelberg, Germany)
- P14-002-SH Live-cell RNA imaging using genetically encoded fluorophore and quencher binding aptamers
Murat Sunbul (Heidelberg, Germany)
- P14-003-SH High Content Screening for inhibitors of ERK1/2 nuclear translocation
Alexander Plotnikov (Rehovot, Israel)
- P14-004-SH Enzymatic phosphocholination as a tool for protein labeling
Aymelt Itzen (Garching, Germany)
- P14-005-SP Tetrakisphosphate cap analogues modified in polyphosphate bridge are inhibitors of Dcp1/2 decapping complex
Marcin Ziemiak (Warsaw, Poland)
- P14-006-SP A genome-wide RNAi screen to dissect retrograde membrane traffic to the Golgi complex
Mariana Bexiga (Dublin, Ireland)
- P14-007-SP How oncogenic mutations affect qualitative and quantitative wiring of signalling
Bertram Klinger (Berlin, Germany)
- P14-008-SP A survey of the inhibition of Arf GTPases and their GEFs by small molecules
Sarah Benabdi (Cachan, France)
- P14-009 Characterizing the role of CPSF6 in HIV-1 infection by using small-molecule inhibitors
Thomas Fricke (New York City, United States of America)

- P14-010 Protective effects of ginseng extracts on age-related phenotypes of Sod1^{-/-} mice
Juewon Kim (Yongin-si, Republic of Korea)
- P14-011 The functioning of parameters haemostasis system under influence IgG from patients with ischemic stroke
Tetiana Katrii (Kyiv, Ukraine)
- P14-012 Lactoferrin and its complex forms as bioregulators of cell process
Svetlana Soboleva (Novosibirsk, Russian Federation)
- P14-013 Design, synthesis and biological evaluation of specific rhomboid inhibitors.
Parul Goel (Düsseldorf, Germany)
- P14-014 Antibodies from sera of HIV-infected patients hydrolyzing histones
Svetlana Baranova (Novosibirsk, Russian Federation)
- P14-015 Effects of herbicides and fungicides on the soil chitinolytic activity. A molecular docking approach
Diana-Larisa Vladoiu (Timisoara, Romania)
- P14-016 Semicarbazide-containing drug attenuates lung extracellular matrix deposition under the chronic ovalbumin-induced asthma, but does not affect on histaminase activity in the bronchoalveolar lavage fluid
Olena Parilova (Kyiv, Ukraine)
- P14-017 Inhibition of NorA pump of Staphylococcus epidermidis by essential oils from Salvia spp
Romana Chovanova (Bratislava, Slovakia)
- P14-018 Profiling and inhibition of multivalent WW domain interactions
Miriam Bertazon (Berlin, Germany)
- P14-019 The investigation of endogenous intoxication and lipid peroxidation in patients with giardiasis before and after treatment
Rozalia Begaydarova (Karaganda, Kazakhstan)
- P14-020 Effect of nanoparticles in the utilization of fatty acids by human microbiota
Luis Rodríguez-Alcalá (Porto, Portugal)
- P14-021 Adjuvant properties of Alternanthera mosaic virus virions and virus-like particles.
Ekaterina Petrova (Moscow, Russian Federation)
- P14-022 Accelerating small compounds discovery targeting protein-protein interaction
Sabine Milhas (Marseille, France)
- P14-023 Pepsin digestion of C-phycocyanin releases chromopeptides with potent anticancer and antioxidant activities
Simeon Minić (Belgrade, Serbia)
- P14-024 Biochemical characterization of the alternative heme b biosynthesis pathway of Desulfovibrio vulgaris Hildenborough
Susana Lobo (Oeiras, Portugal)
- P14-025 Interaction of NBD-labeled fluorescent steroids and a fatty acid with Escherichia coli
Vera Efimova (Moscow, Russian Federation)
- P14-026 Preliminary studies on structure-function relationship of bitter-taste dipeptides derived from food proteins – in silico approach
Anna Iwaniak (Olsztyn, Poland)
- P14-027 In cerebellar neurons the enzyme glutamate dehydrogenase is crucial for glutamate oxidation
Michaela Hohnholt (Copenhagen, Denmark)
- P14-028 Teratogenic and biochemical effects of a selective pesticide on rabbits
Muhammad Rehman (Birmingham, United Kingdom)
- P14-029 Levels of MMPs and TIMP-1 in esophageal tissue after burn injury
Tetiana Ishchuk (Kyiv, Ukraine)

- P14-030 The Kv-channel blockers as potent modulators of platelet reactivity
Ludmila Kasatkina (Kyiv, Ukraine)
- P14-031 Efficient in vitro inhibition of topoisomerase I and DNA binding by novel acridine derivatives
Volodymyr Mykhailiuk (Kyiv, Ukraine)
- P14-032 Biosensor on based of immobilized Lipoxygenase for determination of leukotrienes and lipoxins
Lachezar Manovski (Sofia, Bulgaria)
- P14-033 Molecular composition, function and physiology of Kainate Receptors (KARs) in pancreatic endocrine cells
Louis Dwomoh (Bristol, United Kingdom)
- P14-034 Cytotoxic activity of proteins and small molecules isolated from whole plant extracts and latex of Chelidonium majus L. towards HeLa cells
Robert Nawrot (Poznan, Poland)
- P14-035 Aflatoxin B1 induces macrophage activation and inflammation through TLR-MyD88 pathway
Sun Kang (Kyoungsan, Republic of Korea)
- P14-036 Ubiquitin-independent degradation of myelin basic protein by immunoproteasome contributes to cytotoxic T-cell-mediated demyelination in experimental autoimmune encephalomyelitis
Ekaterina Kuzina (Moscow, Russian Federation)
- P14-037 In vitro immunosuppressive activity and immunological alterations induced by H1 receptor antagonist, Astemizole on mouse immune system
Sang Ho Kim (Kyoungsan, Republic of Korea)
- P14-038 Small molecules enable human fibroblasts conversion into neurosphere-like cells using a single polycistronic vector
Fhimeh Mirakhor (Tehran, Islamic Republic of Iran)
- P14-039 Bisubstrate-analogue inhibitors targeting mitotic protein kinases Aurora A and Haspin
Darja Lavogina (Tartu, Estonia)
- P14-040 Intracellular distribution and DNA binding activity of glyco-tacrine conjugates
Maria Kozurkova (Kosice, Slovakia)
- P14-041 Characterization of Potato virus X spherical virus-like particles
Ekaterina Trifonova (Moscow, Russian Federation)
- P14-042 Functioning change of serotonin metabolism in blood of patients with type 2 diabetes mellitus and ischemic stroke
Alona Yurchenko (Kyiv, Ukraine)
- P14-043 Bioconversions of lipophilic dyes Nile Red and 25-NBD-cholesterol into mycobacteria
Yaroslav Faletev (Minsk, Belarus)
- P14-044 New antihistamine Kunitz-type polypeptides of the sea anemones, Heteractis crispa and Stichodactyla mertensii
Oksana Sintsova (Vladivostok, Russian Federation)
- P14-045 A new multigene family of Kunitz-type IQ-polypeptides from sea anemones
Aleksandra Kvetkina (Vladivostok, Russian Federation)
- P14-046 Inhibition of DNA-topoisomerase I/II activity with selected bistacrine-thiourea/urea derivatives and their biological effect
Jana Janočková (Košice, Slovakia)
- P14-047 Two novel antioxidants with diverse biological effects on curcumin-induced apoptosis in C2 skeletal myoblasts; signaling mechanisms involved
Maria Peleli (Athens, Greece)
- P14-048 Unexpected anti-platelet and promising proangiogenic effects of calix[4]arene C-145 in vivo
Volodymyr Chernyshenko (Kyiv, Ukraine)

- P14-049 Coumarin-tacrine hybrid molecules as potential anticancer agents
Eva Žilecká (Košice, Slovakia)
- P14-050 Investigation of biocompatibility and antifungal activity of silver doped hybrid materials based on silica and cellulose derivatives
Tsvetelina Angelova (Sofia, Bulgaria)
- P14-051 Stereospecific synthesis of molecules with physiological effect on the cell functions by means of lipase isolated from *Pseudozyma antarctica*
Borislav Borisov (Sofia, Bulgaria)
- P14-052 "Humanised" biotin protein ligase provides clues about inhibitor selectivity
Tatiana Soares da Costa (Adelaide, Australia)
- P14-053 The development of inflammation and its impact on brain indoleamine 2,3-dioxygenase activity under conditions of obesity
Taras Karpovets (Kyiv, Ukraine)
- P14-054 The early effect of coronary surgery on serum Nt-Pro Bnp levels
Fikret Akyurek (Konya, Turkey)
- P14-055 The regulatory mechanisms of 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitors, fluvastatin and lovastatin, for the induction of p21 expression in HeLa cells
Shih-Ming Huang (Taipei, Republic of China)
- P14-056 Different graphene oxide flakes dimensions impact on whole gene expression and molecular interactions in immune cells
Lucia Delogu (Sassari, Italy)
- P14-057 5-Aminouracil derivatives downregulate human adenovirus replication
Natalia Nikitenko (Moscow, Russian Federation)
- P14-058 Kinetic investigations on small molecules, inhibitors of soybean lipoxygenase with potential activity on cellular functions in different diseases
Raya Raykova (Sofia, Bulgaria)
- P14-059 A new affinity method for purification of bovine testicular hyaluronidase enzyme and an investigation of the effects of some compounds on this enzyme
Emine Terzi (Ankara, Turkey)
- P14-060 The effects of acute malathion exposure on renal oxidant & antioxidant balance in rats
Ozge Tugce Pasaoglu (Ankara, Turkey)
- P14-061 Hydrolytic enzymes marine organisms as an instrument for investigating protein-protein interaction
Dmytro Gladun (Kyiv, Ukraine)
- P14-062 The effect of low concentrations of some biologically active agents on the aerobic respiration of lymphocytes in vitro
Sergiy Girin (Glevakha, Ukraine)
- P14-063 Some indicators of oxidative metabolism of neutrophils of patients with community-acquired pneumonia
Lyudmila Demidchik (Karaganda, Kazakhstan)
- P14-064 Flavonostilbens from *Vexibia alopecuroides* (L.) Jakovl with antimicrobial and proliferative properties
Tatyana Karpenyuk (Almaty, Kazakhstan)
- P14-065 Uptake of polymeric nanoparticles by different cell types from oral epithelium
Bogdan Calenic (Bucharest, Romania)
- P14-066 Probing biocatalytic phosphorylations with small molecules
Roland Wohlgemuth (Buchs, Switzerland)
- P14-067 Conventional inflammation and oxidative stress markers of the nonalcoholic fatty liver disease diagnosed patients
Suzan Muratoglu (Ankara, Turkey)

- P14-068 Action mechanism of krait natriuretic peptide
Sindhuja Sridharan (Singapore, Republic of Singapore)
- P14-069 Reduced melanogenesis by si-RNA of P-protein in Melan-A cells
Eunki Kim (Inchon, Republic of Korea)
- P14-070 The photoactivated fluorescent dye for probing cellular organelles and lipid monolayers
Sergei Zaitsev (Moscow, Russian Federation)
- P14-071 The curative effects of exendin-4 on renal oxidative damage, inflammation and fibrosis in diabetic mice
Selda Gezgin-Oktayoglu (Istanbul, Turkey)
- P14-072 A novel streptococci-conserved β -lactamase involved in ampicillin resistance of *Streptococcus pneumoniae*
Yaw-Kuen Li (Hsinchu, Republic of China)
- P14-073 Modern bioanalytical techniques for determination of pesticides as multienzyme system inhibitors
Iskra Stoykova (Sofia, Bulgaria)
- P14-074 The effect of malathion on oxidant & antioxidant status in rat brain tissue
Hatice Pasaoglu (Ankara, Turkey)
- P14-075 Dimerization inhibition of Ebola proteins and Alzheimer deposits?
Hans Schramm (Oettingen, Germany)
- P14-076 Malathion-induced oxidative stress in rat liver
Cinar Severcan (Ankara, Turkey)
- P14-077 The destruction of amido-containing biomolecules exposed to UV radiation
Anastasia Sladkova (Minsk, Belarus)
- P14-078 Cell toxicity of water-soluble [C60] fullerene derivatives
Vasilina Sergeeva (Moscow, Russian Federation)
- P14-079 Identification of the binding pocket of different hY2R selective antagonists
Kerstin Burkert (Leipzig, Germany)
- P14-080 Study of the expression of catalytic antibodies influenced by murine B cell repertoire: implication in autoimmune disease
Melody Shahsavarian (Compiègne, France)
- P14-081 Synthesis, DNA binding study and biological activity of novel first row transition metals complexes
Jana Janočková (Košice, Slovakia)
- P14-082 Alkoxyresorufin O-dealkylase activities in rats treated with 7,12-dimethylbenz[a]anthracene and endosulfan
Canan Sapmaz (Bolu, Turkey)
- P14-083 Untangling mitogenic signalling in living cells by information theory
Manuela Benary (Berlin, Germany)
- P14-084 Inhibition of amylin fibrillogenesis and protection of Islet β -cells by extracts and fractions of medicinal plants
Alvard Antonyan (Yerevan, Armenia)
- P14-085 Screening for anti-diabetic adjuvants in balanites aegyptiaca
Radu Albuлесcu (Bucharest, Romania)
- P14-086 Membrane-bound carbonyl reducing enzymes as targets of an oracin immobilised affinity carrier
Rudolf Andrýs (Hradec Králové, Czech Republic)
- P14-087 Apitherapy with the Venom of *Apis* sp. (Insecta: Hymenoptera: Apidae)
Meltem Atabay (Zonguldak, Turkey)
- P14-088 Exendin-4 impairs intestinal tissue damage through its proliferative and anti-fibrotic effects in diabetic rats
Merve Ercin (Istanbul, Turkey)

- P14-090 Sodium butyrate reduces *Staphylococcus aureus* internalization via TLR2 in bovine mammary epithelial cells
Alva-Murillo Nayeli (Morelia, Mexico)
- P14-091 Prolactin-stimulated internalization of *Staphylococcus aureus* by mammary cells: role of TLR2 and $\alpha 5\beta 1$ integrin
Nayeli Alva-Murillo (Morelia, Mexico)
- P14-092 Hepatoprotective effect of *Cotinus Coggygia Scop.* Extract on ethanol-induced liver injury of rats
Serap Sancar-Baş (Istanbul, Turkey)
- P14-093 Laser processing of novel collagen-hydroxyapatite thin coatings with potential uses in bone regeneration
Alexandra Elena Oprea (Bucharest, Romania)
- P14-094 Biocompatible magnetite nanoparticles functionalized with the plant-derived compounds eugenol and limonene interfere with biofilm formation and persistence of *Pseudomonas aeruginosa*
Alina Holban (Bucharest, Romania)
- P14-095 Serum prolidase activity in different clinical forms of Scleroderma
Muhammed Birer (Kahramanmaraş, Turkey)
- P14-096 Biocatalytic asymmetric synthesis of glycolytic pathway metabolites
Roland Wohlgemuth (Buchs, Switzerland)
- P14-097 Studies on the reversion of Kidney damage generated by diabetes
Alejandro Yáñez (Valdivia, Chile)
- P14-098 Enzyme substrates for probing epoxidehydrolase functions
Roland Wohlgemuth (Buchs, Switzerland)
- P14-099 In cardiac fibroblasts and myofibroblasts Toll like receptor 4 (TLR4) activation releases proinflammatory and profibrotic cytokine
Guillermo Diaz-Araya (Santiago de Chile, Chile)
- P14-100 The antiviral activity from eleven selected cholistani plants against Avian Influenza Virus H9N2
Mirza Shahzad (Bahawalpur, Pakistan)
- P14-101 EU-OPENSREEN: Novel chemical tool compounds for molecular biologists
Bahne Stechmann (Berlin, Germany)
- P14-102 Induction of L-, D-amino acids oxidases and urea cycle enzymes of *Aspergillus niger* R-3 by hydrogen peroxide
Sophik Hovhannisyán (Yerevan, Armenia)
- P14-103 Effects of Hsp90 inhibition on galectin-3 expression in human monocytic cell line THP-1
Jerka Dumić (Zagreb, Croatia)
- P14-104 Ser/Thr phosphorylation of flagellin FlhC and its biological effects in *Pseudomonas aeruginosa* PAO1
Tanujaa Suriyanarayanan (Singapore, Republic of Singapore)
- P14-105 Alteration in xenobiotic metabolizing enzyme activities with morin and 7,12-dimethylbenz(a)anthracene in diabetic male rats
Canan Sapmaz (Bolu, Turkey)
- P14-106 Recognition of linear B-cell epitope of betanodavirus coat protein by RG-M18 neutralizing mAb inhibits giant grouper nervous necrosis virus infection
Chi-Yao Chang (Taipei, Republic of China)
- P14-107 DHRS7, newly identified enzyme with overlapping function in metabolism of steroids and retinoids?
Hana Štambergová (Hradec Králové, Czech Republic)
- P14-108 Nontraumatic osteoarthritis is associated with increased the levels of serum cystatin-C: A cross-sectional study
Emin Savik (Sanliurfa, Turkey)

- P14-109 Protein knockout mice: a novel in vivo approach for functional genomics
Stefan Dübel (Braunschweig, Germany)
- P14-110 Gaucher disease: Phenotypic and genotypic diagnosis in Algeria
Hallal Siham (Algeria, Algeria)
- P14-111 Regulation of HIF1 α expression by a natural compound; a new regulatory factor
Bo Yeon Kim (Cheongwon, Republic of Korea)
- P15 Targeted Cancer Therapy**
- P15-003-SP Antibody Directed Enzyme Prodrug Therapy: Discovery of novel genes, isolation of novel gene variants and production of long acting drugs for efficient cancer treatment
Sayed Goda (Doha, Qatar)
- P15-004-SP Breast cancer cell line MCF7 escapes from G1/S arrest induced by proteasome inhibition through a GSK-3 β dependent mechanism
Paula Daza (Sevilla, Spain)
- P15-005-SP Intracellular lysogens to augment the anti-tumoral efficacy of targeted toxins
Alexander Weng (Berlin, Germany)
- P15-006-SP Molecular engineering of L-asparaginases used in antileukemic therapy
Manfred Konrad (Göttingen, Germany)
- P17 RNA-Based Disease Mechanism and Therapy**
- P17-001-SH Dnmt2-mediated resistance to nitrosative stress in the human parasite *Entamoeba histolytica*
Serge Ankri (Haifa, Israel)
- P17-002-SH miR-25-3p contributes to deregulated levels of ITGA5 and COL5A1 in renal cancer, possibly influencing cancerous adhesion.
Katarzyna Rodzik (Warsaw, Poland)
- P17-003-SH MicroRNA and alternative splicing regulate the expression of SRSF2 in renal cancer
Elzbieta Sokol (Warsaw, Poland)
- P17-004-SH Cytoplasmic Polyadenylation Binding Proteins binds to the mRNA of insulin receptor impairing the expression of the protein in mouse kidney in diabetic conditions
Moisés Sandoval (Valdivia, Chile)
- P17-005-SP The role of microRNA cluster MIR23A~27A~24-2 in the development of aggressive B-cell lymphoma
Natalie Klytta (Braunschweig, Germany)
- P17-006-SP miR-155 modulates IFN γ signaling pathway by targeting SOCS1 expression in biliary atresia
Yu-An Hsu (Hsinchu, Republic of China)
- P17-007-SP miRNA target enrichment network analysis in Hepatocellular carcinoma
Devis Pascut (Trieste, Italy)
- P17-008-SP Anti-miRNA zymes as a potential tool for therapy of brain tumors
Katarzyna Rolle (Poznan, Poland)
- P17-009 Transcription-coupled RNA surveillance in human genetic diseases caused by splice site mutations
Rita Vaz-Drago (Lisboa, Portugal)
- P17-010 Associations of Polymorphisms in the Vitamin D receptor gene (FOK I and BSMI) with COL1A1-sp1 Polymorphism in Relation to low bone mineral density in young osteoporotic Turkish women
Belkis Aydinol (Diyarbakir, Turkey)

- P17-011 L-Dopa decarboxylase (DDC) mRNA expression: implication in insulin-signaling in human β -pancreatic cells
Maria Ioanna Christodoulou (Athens, Greece)
- P17-012 Study of the expression of 28 diabetes-related genes in peripheral blood: indications for clinical significance in type 2 diabetes mellitus (T2DM)
Emmanouil Fragoulis (Athens, Greece)
- P17-013 The impact of human HAX-1 protein expression and localization on granulopoiesis
Alicja Trebinska (Warsaw, Poland)
- P17-014 Biotechnological synthesis of new nucleosides based on 2-aminopurine with a bulky 7,8-difluoro-3,4-dihydro-3-methyl-2h-[1,4]benzoxazine residue at C6 position
Barbara Eletskaia (Moscow, Russian Federation)
- P17-015 Coordinated expression down-regulation of three small phosphatase genes CTDSP1/2/L in lung but not in renal cancer
Alexey Dmitriev (Moscow, Russian Federation)
- P17-016 MEFV gene mutation spectrum in Familial Mediterranean fever (FMF) in the South-east region of Turkey
Belkis Aydinol (Diyarbakir, Turkey)
- P17-017 RNA-based epigenetic mechanism of the malignant transformation: a novel theory of carcinogenesis
Volodymyr Halytskyi (Kyiv, Ukraine)
- P17-018 Expression profiles of 20 miRNAs – predicted regulators of chromosome 3p genes in breast and renal carcinomas
Alexey Dmitriev (Moscow, Russian Federation)
- P17-019 Effects of platelet derived serotonin on renal injury
Gulberk Ucar (Ankara, Turkey)
- P17-020 Coordinated down-regulation of the genes encoding neuronal cell adhesion molecules in lung and renal cancers
Vera Senchenko (Moscow, Russian Federation)
- P17-021 In utero pesticides exposure and generation of acute myloid leukemia associated translocation (8;21)
Mona El-Baz (Assuit, Egypt)
- P17-022 Therapeutic plasma exchange restore expression profile of monocytes in antiphospholipid syndrome
Anush Martirosyan (Olomouc, Czech Republic)
- P17-023 Long noncoding RNA-ABHD11-AS1 in gastric juice using as a new biomarker for screening gastric cancer
Bingxiu Xiao (Ningbo, People's Republic of China)
- P17-024 Tobacco mosaic virus-based vectors displaying conserved Influenza antigens: host range, tissue localization and peculiarities of joint infections
Natalia Petukhova (Moscow, Russian Federation)
- P17-026 RNA effectors in combination with small molecule drugs for cancer treatment
Arnold Grünweller (Marburg, Germany)
- P17-027 Influence of microRNA expression profiles on the efficacy of radiochemotherapy in locally advanced head and neck squamous cell carcinoma
Anne-Katrin Heß (Berlin, Germany)

P20 Neuronal Ion Channels and their Role in Disease

- P20-001-SH Towards the physiological role of the Cl⁻/H⁺ exchanger ClC-3 in the brain
Stefanie Weinert (Berlin, Germany)
- P20-002-SH The attenuated Presenilin-1 endoproteolysis causes a store-operated calcium channels hyperactivity in neurons of Alzheimer's disease models
Maria Ryazantseva (St. Petersburg, Russian Federation)

- P20-003-SH Novel compounds acting on nicotinic acetylcholine receptors: from low molecular ones to peptides and proteins
Victor Tsetlin (Moscow, Russian Federation)
- P20-004-SH The large intracellular loop of the human glycine receptor α 1: It's not all about the size
Georg Langlhofer (Würzburg, Germany)
- P20-005-SP Scorpion toxin fused with fluorescent protein is a novel probe to study potassium channels
Alexey Kuzmenkov (Moscow, Russian Federation)
- P20-006-SP KcsA-Kv1.2 hybrid channel embedded in E. coli cell membrane: design, properties, applications
Oksana Nekrasova (Moscow, Russian Federation)
- P20-007 Toluene, hippocampus structure and recognition memory: adult and adolescent rats
Nino Pochkhidze (Tbilisi, Georgia)
- P20-008 The elevated level of full-length presenilin-1 associated with Alzheimer's disease enhances store-operated calcium currents in neuronal cells
Kseniia Skobeleva (St. Petersburg, Russian Federation)
- P20-009 Deregulation of store-operated calcium channels in Huntington-specific human neurons
Vladimir Vigont (St. Petersburg, Russian Federation)
- P20-010 Structure-function study of human secreted Ly-6/uPAR related proteins SLURP-1 and SLURP-2 suggests multiple molecular targets
Ekaterina Lyukmanova (Moscow, Russian Federation)
- P20-011 Structure-function study of human SLURP-1 and SLURP-2 suggests multiple molecular targets
Ekaterina Lyukmanova (Moscow, Russian Federation)

P21 Mechanisms of Nervous System Development and Regeneration

- P21-003-SP The small GTPase RAB6 regulates localization of the Cohen syndrome-associated protein COH1 to the Golgi complex
Wenke Seifert (Berlin, Germany)
- P21-004-SP Neuronal NOS is involved in the neuronal differentiation of hippocampal neural progenitor cells
Shin-Young Park (Seoul, Republic of Korea)
- P21-005-SP Role of hippocalcin in early developmental stage of hippocampal neurogenesis
Min-Jeong Kang (Seoul, Republic of Korea)
- P21-006-SP SNX482 inhibits semaphorin 3A induced sensory axon growth cone collapse
Andrius Kaselis (Kaunas, Lithuania)
- P21-007 Deciphering the genetic program of neuronal axon remodeling during development
Idan Alyagor (Rehovot, Israel)
- P21-008 Biosensor approach to the detection of neuroactive steroids
Praskoviya Boltovets (Kyiv, Ukraine)
- P21-009 Study of the homophilic binding of the neural cell adhesion molecule (NCAM)
Sandra Grund (Halle, Germany)
- P21-010 A novel normalization based approach for somatic Alu insertions identification in human brain cells
Anastasia Minervina (Moscow, Russian Federation)
- P21-011 Proglyprol conjugates with docosahexaenoic acid and dopamine induce neuromorphogenesis in C6 glioma and PC12 pheochromocytoma cell lines
Mikhail Akimov (Moscow, Russian Federation)

- P21-012 EPHA1 gene mutation 1475G>A is associated with mild intellectual disability
Roman Gulkovskiy (Kyiv, Ukraine)
- P21-013 Catalytic soman scavenging by non-aging acetylcholinesterase mutant assisted with novel site-directed aldoximes
Zrinka Kovarik (Zagreb, Croatia)
- P21-014 Targetting PTEN and associated signalling networks in axonogenesis
Paloma Goni-Oliver (Berlin, Germany)
- P21-015 Identification of transmembrane pseudo-phosphatase Plasticity related gene 2 as an interacting partner of PTEN
Annika Brosig (Berlin, Germany)
- P21-016 Optimizing CNS-delivery by lactyl stearate-coupled liposomes
Mani Bhargava (Kanpur, India)

P22 Degeneration and Ageing of the Nervous System

- P22-001-SH Loss of neuronal AP-2 compromises neurotrophin signalling and impairs dendritogenesis
Natalia Kononenko (Berlin, Germany)
- P22-002-SH Determination of the size of the primary and secondary folding nuclei of Aβ40 and Aβ42 protofibrils from the concentration dependence of the rate and the lag-time of their formation
Oxana Galzitskaya (Pushchino, Russian Federation)
- P22-003-SH Genetic and physiological cross-talk of parkin with the neurotrophic GDNF receptor Ret in dopaminergic neurons
Edgar Kramer (Hamburg, Germany)
- P22-004-SH Neurovascular coupling mediated by nitric oxide: mechanisms in Alzheimer disease, aging and metabolic acidosis
João Laranjinha (Coimbra, Portugal)
- P22-005-SP Defective cross-talk between the ubiquitin proteasome system and the autophagy lysosomal pathway under proteasome stress in aged rat hippocampus
Diego Ruano (Sevilla, Spain)
- P22-006-SP Molecular links between aberrant protein oligomers and neurodegeneration in Alzheimer's disease
Roberta Cascella (Florence, Italy)
- P22-007-SP The dysfunction of retrograde transport is sufficient to disrupt Aβ clearance in astrocytes via disturbed endosome trafficking
Nobuyuki Kimura (Aichi, Japan)
- P22-008-SP Label free quantitative proteomic analysis of astrocytes directly converted to neurons
Hendrik Schöneborn (Bochum, Germany)
- P22-009 Rosmarinic acid redirect lysozyme from its normal amyloid formation pathway into nontoxic amorphous aggregates and reduces cellular toxicity
Ali Akbar Meratan (Ahwaz, Islamic Republic of Iran)
- P22-010 Synthetic fragment of receptor for advanced glycation end products prevents memory loss in mice with experimentally induced Alzheimer's disease
Anna Kamynina (Moscow, Russian Federation)
- P22-011 Induction of Nanog displays protective effects against amyloid β (Aβ)-induced cytotoxicity
Chih-Li Lin (Taichung, Republic of China)
- P22-012 RNA aptamers against autoantibodies related to multiple sclerosis as a basis for detection probes
Valentina Timoshenko (Novosibirsk, Russian Federation)

- P22-013 Ly6Chigh monocytes control experimental autoimmune encephalomyelitis progression
Juan Calatayud Subias (Barcelona, Spain)
- P22-014 Prion protein mislocalized in the cytosol causes loss of dendritic spines
Tomasz Zajkowski (Warsaw, Poland)
- P22-015 The yeast model of Huntingtin disease in studies concerning the role of human VDAC isoforms in the disease pathomechanism
Daria Grobys (Poznan, Poland)
- P22-016 Characterization of Smn-dependent gene expression changes underlying motor neuron degeneration and synaptic dysfunction in SMA
Hugo Santos (Lisbon, Portugal)
- P22-017 GDNF-family growth factors in the treatment of neurodegenerative diseases
Tatiana Sukhanova (Helsinki, Finland)
- P22-018 HSP70 protects neuronal cells from toxic effect of amyloid beta and its isoforms
Vladimir Mitkevich (Moscow, Russian Federation)
- P22-019 The effect of Glycation on the permeability of an in vitro blood-brain barrier model
Maryam Hussain (Halle, Germany)
- P22-020 The effect of toluidine blue O on amyloid-β peptide levels in human neuroblastoma cells
Melike Yuksel Tek (Göttingen, Germany)
- P22-021 Plasma levels of matrix metalloproteinases-2,-9 and tissue inhibitors of metalloproteinases-1,-2 in Alzheimer's disease
Gamze Tuna (Izmir, Turkey)
- P22-022 Risk effect of polymorphisms of serotonin transporter gene and the dopamine d4 receptor gene in undergraduate students for negative life events
Meltem Atabay (Zonguldak, Turkey)
- P22-023 Metabolic peculiarities of the mechanism for neuron protection against heat shock during human aging and initial stage of Alzheimer's disease
Oxana Galzitskaya (Pushchino, Russian Federation)
- P22-024 Multiplex genome engineering of Amyotrophic lateral sclerosis mutant SOD1 gene using CRISPR/Cas9 systems
YUNJUNG Jin (Seoul, Republic of Korea)
- P22-025 SOD1 regulates intracellular aggregates and neuronal toxicity of the amyloid beta (Aβ): Treating strategies for Alzheimer's disease (AD) from Amyotrophic lateral sclerosis (ALS)
Ja-Young Jang (Seoul, Republic of Korea)
- P22-026 Time-resolved thioflavin-T fluorescence – expanding the amyloid characterisation toolbox
David Lindberg (Göteborg, Sweden)
- P22-027 The human Tp53 Arg72Pro polymorphism increases neuronal vulnerability to apoptosis after experimental intracerebral hemorrhage
José Castillo (Santiago de Compostela, Spain)
- P22-028 Uni-molecular investigation of copper-induced misfolding mechanism over an amyloid fragment with D, L – amino acids
Irina Schiopu (Iasi, Romania)
- P22-029 Identification of apomyoglobin regions responsible for amyloid formation
Alexey Surin (Pushchino, Russian Federation)
- P22-030 Investigation of polymorphism of Aβ-peptide amyloids from different firms
Maria Suvorina (Pushchino, Russian Federation)
- P22-031 Modulation of metabotropic glutamate mGlu5 receptor and its signaling pathway in human brain of Alzheimer's disease and Schizophrenia
Sara Díaz-Sánchez (Ciudad Real, Spain)

- P22-032 Human Tp53 Arg72Pro polymorphism dictates neuronal susceptibility to amyloid β -neurotoxicity
Rebeca Lapresa (Salamanca, Spain)
- P22-033 Behavioral and neurochemical effects of monosodium glutamate in neonatal rats
Ayşen Çetin Kardesler (Denizli, Turkey)
- P22-034 Fluorescent carbon dots: Neuromodulatory effects on exocytotic release, uptake and ambient level of glutamate and GABA in brain nerve terminals
Tatiana Borisova (Kyiv, Ukraine)
- P22-035 Diesel Particles (DEP) effects on an endothelial cell line (hCMEC/D3) and hippocampal neurons (HT22)
Chiara Milani (Monza, Italy)
- P22-036 β -amyloid compromises Reelin signaling in Alzheimer's disease
Javier Saez-Valero (Sant Joan d'Alacant, Spain)
- P22-037 Anticonvulsant activity of some new Nafimidone derivatives: Effects on GABA metabolism
Ayşe Uyumlu (Malatya, Turkey)
- P22-038 Synthesis of the PCL nanoparticles containing neuroprotectants as efficient (brain) drug delivery systems
Marta Łapczyńska (Cracow, Poland)
- P22-039 Tauroursodeoxycholic acid activates Nrf2 antioxidant system in the MPTP mouse model of Parkinson's disease
Margarida Castro-Caldas (Lisbon, Portugal)
- P22-040 Effect of aluminum and Amyloid-beta (Abeta) peptide on human high density lipoproteins
Gianna Ferretti (Ancona, Italy)
- P22-041 The function of the wrap53 gene in neuronal survival after ischemia
Irene Sánchez-Morán (Salamanca, Spain)
- P22-042 Unequivocal nanomechanics of tau
Maria Del Carmen Fernández-Ramírez (Madrid, Spain)
- P22-043 Dysfunction of glucose utilization in the brain as a trigger mechanism for neuropathology
Irina Popova (Pushchino, Russian Federation)
- P22-044 Carrier mediated delivery system bearing dopamine for effective management of Parkinsonism
Saurabh Bhargava (Kanpur, India)

P27 Molecular Clocks

- P27-001-SH Effects of reciprocal interactions between various dietary fats and circadian phases on postprandial hyperlipidemia in rats
Basri Satılmış (Malatya, Turkey)
- P27-002-SH Understanding phototrophic growth: Modeling temporal resource allocation and diurnal dynamics in cyanobacterial metabolism
Ralf Steuer (Berlin, Germany)
- P27-003-SH Feedback loops of the mammalian circadian clock constitute repressilator
Hanspeter Herzel (Berlin, Germany)
- P27-004-SH Deregulation of circadian time and its correlation with tumour progression
Angela Relogio (Berlin, Germany)
- P27-005-SP Analysis and identification of circadian-regulated metabolic pathways in tumorigenesis
Luise Fuhr (Berlin, Germany)

- P27-006-SP Transcriptomics-based approach to determine subchronic repeated-dose toxicity of GM food in the small intestine of rats and associated in vitro models
Jutta Sharbati (Berlin, Germany)
- P27-007-SP Circadian regulation of the immune system: a role in tumorigenesis
Mónica Abreu (Berlin, Germany)
- P27-008-SP SJL mice immunized with epstein-barr virus antigen LMP1 develop autoantibodies towards myelin basic protein
Yakov Lomakin (Moscow, Russian Federation)
- P27-009 Taxonomic profile of type II NADH:quinone oxidoreductases and evolutionary implications
Bruno Marreiros (Oeiras, Portugal)
- P27-010 Alternative splicing of U2af26 and its role in circadian rhythm – a conserved function across the mammalian class
Marco Preußner (Berlin, Germany)
- P27-011 Effects of hypoxia/anoxia on amylases activity, carbohydrate metabolism, and survival in saffron (*Crocus sativus* L.) corms
Jacqueline Keyhani (Tehran, Islamic Republic of Iran)
- P27-012 Cytokines, chemokines and growth factors profile in caveolin-1 transgenic mice
Elena Codrici (Bucharest, Romania)
- P27-013 Cholesterol homeostasis, drug metabolism and the liver clock interplay
Anja Korencic (Ljubljana, Slovenia)
- P27-014 Cryptochrome is involved in post-transcriptional regulation of metabolism and circadian clock of *Neurospora crassa*
Ibrahim Cemel (Heidelberg, Germany)

P28 Comprehensive Models of Metabolism and Signaling

- P28-001-SH A switch rewired: exploring the impact of natural and aberrant structure alterations in Ras GTPases-mediated signaling networks through structural bioinformatics
Francesco Raimondi (Heidelberg, Germany)
- P28-002-SH Targeting ERK: in search of downstream targets
Evrin Besray Unal (Berlin, Germany)
- P28-003-SH Inborn errors in fatty-acid metabolism: living on the edge
Karen van Eunen (Groningen, Netherlands)
- P28-004-SH Metabolome profiling of the sleeping chironomid: restarting the cell engine after anhydrobiosis
Elena Shagimardanova (Kazan, Russian Federation)
- P28-006-SP Modeling TNFR1 signal transduction using Petri net formalism
Leonie Amstein (Frankfurt am Main, Germany)
- P28-007-SP Sensor kinases TOR and GCN2 orchestrate translation and autophagy in response to carbon, nitrogen and sulfur supply for cysteine synthesis in plants
Yihan Dong (Heidelberg, Germany)
- P28-008-SP Towards genome wide reconstruction and validation of signal transduction networks
Marcus Krantz (Berlin, Germany)
- P28-009 Regulatory actions of physiological concentrations of free amino acids
L Nefyodov (Grodno, Belarus)
- P28-010 Comparative analysis of the nic-gene cluster within the *Arthrobacter* genus
Marius Mihasan (Iasi, Romania)
- P28-011 Ghrelin modulates human Sertoli cells metabolism: relevance for male fertility
Ana Martins (Porto, Portugal)

- P28-012 Tracing the presence of an enzyme essential for de-novo biosynthesis of NAD in the avian lineage
Toni Gossmann (Sheffield, United Kingdom)
- P28-013 Connecting signalling output to metabolic regulation reveals strategies of reprogramming a cellular energy homeostasis
Thomas Nägele (Vienna, Austria)
- P28-014 Effect of oxidative state and TNF α on ICAM-1 expression and release in intestinal myofibroblasts
Filippo Fontani (Florence, Italy)
- P28-015 Inference of signal transduction pathways from phosphorylation data to identify targets of combinatorial cancer therapy
Torsten Gross (Berlin, Germany)
- P28-016 Angiotensin I-converting enzyme inhibiting (ACEi) activity of oat *Avena sativa* L. protein-derived ex-vivo digests
Malgorzata Darewicz (Olsztyn, Poland)
- P28-017 Characterization of physiological roles of enzyme X in pancreatic β -cells in vitro and in vivo
Hyeon Jeong Hwang (Ulsan, Republic of Korea)
- P28-018 Oxidative stress in the kidney of adult dahl rats with salt hypertension
Hana Rauchová (Prague, Czech Republic)
- P28-019 Mechanism of LPK activity regulation by intrinsically disordered region phosphorylation
Ilona Faustova (Tartu, Estonia)
- P28-020 90 days of human muscle rest decrease the expression of many mRNAs from glucose metabolism. Exercise partially counteracts this effect
Maria Cussó (Barcelona, Spain)
- P28-021 Role of nitric oxide and CD2BP3 adapter protein on human sperm motility
Zinovy Vorobets (Lviv, Ukraine)
- P28-022 Chrysin attenuates liver fibrosis and hepatic stellate cell activation through TGF- β signaling pathway
Cornel Balta (Arad, Romania)
- P28-023 Magnetic photons of homeopathic remedies cured rheumatic disease according to biochemical pathways
Karin Lenger (Offenbach, Germany)
- P28-024 Application of the correlations between the interfacial tensiometry and biochemical parameters of the animal blood for comprehensive diagnostics
Sergei Zaitsev (Moscow, Russian Federation)
- P28-025 Identifying cis-acting sugar response elements in promoter of genes that facilitate glucose signaling in *Arabidopsis*
Ianis Matsoukas (Bolton, United Kingdom)
- P28-026 Study of *Brachypodium distachyon* and local breed soft wheat varieties tolerance to adverse environmental factor
Nargul Omirbekova (Almaty, Kazakhstan)
- P28-027 Collagen I induces TNF- α production and down-regulation of IRF4 to regulate the activation of dendritic cells
Hyeon-Hui Ki (Jeonju, Republic of Korea)
- P28-028 Luteolin attenuates adipocyte-derived inflammatory responses via suppression of NF- κ B/MAPK pathway
Sarmila Nepali (Jeonju, Republic of Korea)
- P28-029 CrossHub: cross-analysis of TCGA RNA-Seq, miRNA-Seq, methylation and mutation data
George Krasnov (Moscow, Russian Federation)
- P28-030 Mitochondrial dysfunction in patients with HIV infection
Mikhail Kurbat (Grodno, Belarus)

- P28-031 Radiotherapy-related changes in serum profile of lipids are primarily associated with a type of acute toxicity; comparison of radiation-induced effects in patients with prostate cancer and head and neck cancer
Malgorzata Ros (Gliwice, Poland)
- P28-032 Metabolic state modulates the intracellular localization of aldolase B and its interaction with liver fructose-1,6-bisphosphatase
Juan Slebe (Valdivia, Chile)
- P28-033 Stearyl alcohol, one of the most effective lipase-super-inducers, not only induces the expression of virulence related genes but also induces the production of polyester in *Ralstonia* sp. NT80
Morio Ishizuka (Tokyo, Japan)
- P28-034 Long-chain alkane degrading *Acinetobacter* sp. BT1A from petroleum contaminated Soil
Kemal Guven (Diyarbakir, Turkey)
- P28-035 Thermo-alkaliphilic strains producing some industrial enzymes, isolated from Sorgun Hot Spring in Turkey
Kemal Guven (Diyarbakir, Turkey)
- P28-036 Oxidative stress in the brain of dahl rats with salt hypertension elicited in adulthood
Martina Vokurkova (Prague, Czech Republic)
- P28-037 Potential of urines fluorescent fingerprints for detection of metabolic changes of various animal species
Zuzana Steffekova (Kosice, Slovakia)
- P28-038 Calmodulin in the black tiger shrimp, *Penaeus monodon*
Ratree Wongpanya (Bangkok, Thailand)
- P28-039 Proteomics and metabolomics in early diagnosis and monitoring of patients with chronic kidney disease
Simona Mihai (Bucharest, Romania)
- P28-040 Modulation of MAPK and NF κ B signaling pathways by TiO₂ nanotubes Ti-modified surface
Patricia Neacsu (Bucharest, Romania)
- P28-041 Comparative analysis of the effectiveness of sample preparation methods of biological samples for «shotgun» proteomic analysis
Alena Pankratava (Minsk, Belarus)
- P28-042 Computational determination of selenoprotein inhibitors
Victor Osamor (Ota, Nigeria)
- P28-043 Genome mining approach to secondary metabolism research: Biosynthesis of Ochratoxin A in *Aspergillus westerdijkiae*
Alolika Chakraborti (Singapore, Republic of Singapore)
- P28-044 Functional expression of a novel indigenous Endo-beta 1,4-glucanase gene in *Apis mellifera*
Amtul Sami (Lahore, Pakistan)

P32 Mechanisms of Membran Transport

- P32-001-SH Structure-function analysis of the different selectivity preferences of pyrimidine and/or purine transporters in the Nucleobase:Cation Symporter-2 (NCS2) family
Stathis Frillingos (Ioannina, Greece)
- P32-002-SH A new channel for the peroxisomal import of PTS2 proteins
Jessica Klümper (Bochum, Germany)
- P32-003-SH Structural characterisation of the ABC-transporter BmrA in nanodiscs environment
Yann Huon de Kermadec (Grenoble, France)

- P32-004-SH Distinct conformational spectrum of homologous multidrug ABC transporters
Arne Moeller (Aarhus, Denmark)
- P32-005-SP Studying HIV-1 envelope lipid environment using photoactivatable lipids
Jon Ander Nieto-Garai (Leioa, Spain)
- P32-006-SP Fish-mammalian GLUT4 chimeric proteins as tools for studying GLUT4 trafficking and endocytosis
Francisco Carvalho-Simões (Barcelona, Spain)
- P32-007-SP Functional reconstitution of a type I secretion system into nanodiscs
Kerstin Kanonenberg (Düsseldorf, Germany)
- P32-008-SP Multicolor dSTORM with novel dyes to investigate the molecular architecture of Clathrin-Coated Pits
Martin Lehmann (Berlin, Germany)
- P32-009 Estrogenic regulation of Na⁺-dependent bicarbonate transporters from SLC4 family in human Sertoli Cells
Raquel Bernardino (Porto, Portugal)
- P32-010 Dipole modifiers affect channel-forming activity of amyloid and amyloid-like peptides
Svetlana Efimova (St.Petersburg, Russian Federation)
- P32-011 Periplasmic binding protein AccA from *Agrobacterium tumefaciens*
Abbas El Sahili (Gif Sur Yvette, France)
- P32-012 Type IV secretion system coupling proteins, the role of the transmembrane domain
Itxaso Alvarez-Rodriguez (Leioa, Spain)
- P32-013 Maturation of endothelial Weibel-Palade bodies: Analysis of trafficking routes to Weibel-Palade Bodies
Nina Jaensch (Muenster, Germany)
- P32-014 Comparative analysis of the activity of MDR pumps in *Salmonella enterica* using different indicatory compounds and methods of assay
Valerija Mikalayeva (Kaunas, Lithuania)
- P32-015 Lipid dependent activities of cell-free expressed MraY translocase homologues
Erik Henrich (Frankfurt am Main, Germany)
- P32-016 Structural investigation into the comprehensive mechanism of concentrative nucleoside transport
Zhenyu Hao (Leeds, United Kingdom)
- P32-017 MacAB efflux system of *Serratia marcescens* as a potential protective system against oxidative stress
Tatiana Shirshikova (Kazan, Russian Federation)
- P32-018 Acetazolamide, an inhibitor of carbonic anhydrase, supresses photophosphorylation and stimulates light-induced ATP hydrolysis in isolated spinach chloroplast
Olena Zolotarova (Kyiv, Ukraine)
- P32-019 Reconstitution of vesicle priming for Ca²⁺-triggered millisecond exocytosis through chemical clamp-mediated control of SNARE zippering
Dae-Hyuk Kweon (Suwon, Republic of Korea)
- P32-020 Comparative study between mammal and plant GPI modification mechanism
Hiromu Sugita (Tama-ku, Kawasaki, Japan)
- P32-021 In vivo reconstitution of a cytochrome b559 like structure with a truncated N-terminus α -subunit
Rafael Picorel (Zaragoza, Spain)
- P32-022 Cellular uptake mechanisms and activity of novel polyprenyl-based anionic DNA lipoplexes
Zbigniew Madeja (Kraków, Poland)

- P32-023 Alternative import routes into peroxisomes of *Saccharomyces cerevisiae*
Daniel Effelsberg (Bochum, Germany)
- P32-024 Functional characterization of the peripheral peroxisomal membrane protein Pex17p
Anna Chan (Bochum, Germany)
- P32-025 Structure-function analysis of a putative kinase, involved in the regulation of the Type Three Secretion System in *Shigella flexneri*
Antje Kamprad (Berlin, Germany)
- P32-026 Effect of (-)-roemerine on the RND-type efflux pumps of *E. coli*
Dilara Ayyildiz (Istanbul, Turkey)
- P32-027 Regulation homeostasis of metals in plants
Barbara Michalak (Warsaw, Poland)
- P32-028 Liposomes for photodynamic therapy of vitiligo via pilosebaceous route
Saurabh Bhargava (Kanpur, India)
- P32-029 A palmitic acid functionalized with a maleimide group is used to recruit SH-containing peptides to lipid and biological membranes
Ivan Haralampiev (Berlin, Germany)
- P32-030 Molecular mechanism of Mg-ATPase activity
Gvantsa Chkadua (Tbilisi, Georgia)
- P32-031 Bacterial synthesis of Intracellular Palladium Nanoparticles
Jacob Omajali (Birmingham, United Kingdom)
- P32-032 Water and electrode potential effect on the structure and function of tethered bilayer membranes probed by vibrational spectroscopy
Martynas Talaikis (Vilnius, Lithuania)
- P32-033 Biophysical properties of neuronal cells are gravity dependent
Claudia Koch (Stuttgart, Germany)

P33 Channels and Transporters

- P33-001-SH First structural insights in the opening of Channelrhodopsin-2
Nils Krause (Berlin, Germany)
- P33-004-SP Serotonin transporter associated protein complexes – new insight into transporter activity regulation and trafficking
Jana Haase (Dublin, Ireland)
- P33-005-SP Influence of membrane cholesterol in the molecular evolution and functional regulation of TRPV4
Chandan Goswami (Bhubaneswar, India)
- P33-006-SP The role of the MIM complex in the biogenesis of mitochondrial outer membrane proteins
Christoph Mårtensson (Freiburg, Germany)

P34 Protein Mediated Membrane Deformation and Penetration

- P34-001-SH The structure of the COPI coated vesicles by cryo-electron tomography and subtomogram averaging
Svetlana Dodonova (Heidelberg, Germany)
- P34-002-SH Structural study of nervous wreck autoinhibition
Olga Sokolova (Moscow, Russian Federation)
- P34-003-SH Function of AP-3 (Adaptor protein complex 3) in membrane remodelling and fusion
Erdal Yavavli (Osnabrück, Germany)
- P34-004-SH Characterization of arrested trans SNARE complexes
Halenur Yavuz (Göttingen, Germany)

- P34-005-SP Structural and physicochemical studies of the fusion mechanisms and assembly of Hepatitis C virus
Antonio Casalinho (Rio de Janeiro, Brazil)
- P34-006-SP Lipid interactions of integral membrane proteins: Rapid evaluation by a synthetic biology approach
Frank Bernhard (Frankfurt am Main, Germany)
- P34-007-SP Effect of 3',6-diNonylneamine, an amphiphilic aminoglycoside derivative, on *Pseudomonas aeruginosa*'s shape and membrane integrity
Micheline El Khoury (Brussels, Belgium)
- P34-008 Effects of employment of distinct strategies to capture antibody on antibody delivery into cultured cells
Yasuo Shinohara (Tokushima, Japan)
- P34-009 Mechanism of nanoparticle deposition on polystyrene latex particles revealed by electrokinetic, AFM and SEM measurements
Marta Sadowska (Cracow, Poland)
- P34-010 Revealing human Fb monolayer conformations at different pHs
Marta Sadowska (Cracow, Poland)
- P34-011 Survival analysis of CKD patients' erythrocytes in ammonium medium
Yevgeniya Kolesnikova (Karaganda, Kazakhstan)
- P34-012 Functionalization of quantum dot-plasmid dna conjugate with a cell-penetrating protein
Ozge Ugurlu (Izmir, Turkey)
- P34-013 Bispecific antibodies that cross-neutralize two Ebola virus strains
Elisabeth Nyakatura (New York, United States of America)
- P34-014 Characterization of the Ala62Pro variant of CYP1A1 using recombinant expression
Doug-Young Ryu (Seoul, Republic of Korea)
- P34-015 Analysis of the antimycotic effect of yeast killer toxin zygocin
Stefanie Gier (Saarbrücken, Germany)
- P34-016 Discovery of a non-cationic cell penetrating peptide derived from membrane-interacting human proteins and its potential as a protein delivery carrier
Hyo Young Kim (Seoul, Republic of Korea)

Foyer	POSTER SESSION
8:30 AM–7:30 PM	<p>Poster Session 2</p> <p>P03 Turning Signals into Messages – the Complexity of Gene Regulation</p> <p>P03-001-SH <input type="checkbox"/> Disentangling the gene-regulatory network controlling mono-allelic and female-specific expression of Xist at the onset of X-chromosome inactivation <i>Edda Schulz (Berlin, Germany)</i></p> <p>P03-002-SH <input type="checkbox"/> Non-classic effects in stochastic gene expression <i>Tatiana Marquez Lago (Onna-son, Japan)</i></p> <p>P05 RNA Processing and Modifications</p> <p>P05-001-SH <input type="checkbox"/> Covalent labeling of miRNA/miRNA* and siRNA/siRNA* using 2-O'-methyltransferase from <i>A. thaliana</i> <i>Giedrius Vilkaitis (Vilnius, Lithuania)</i></p> <p>P05-002-SH <input type="checkbox"/> LC-MS analysis for the qualitative and quantitative analysis of cellular modified NAD-RNA <i>Gabriele Nübel (Heidelberg, Germany)</i></p> <p>P05-003-SP <input type="checkbox"/> Sequestering and protein cofactor competition regulate a multifunctional RNA helicase in different pathways <i>Markus Bohnsack (Göttingen, Germany)</i></p> <p>P05-004-SP <input type="checkbox"/> RPB1 foot mutations demonstrate that post-transcriptional regulation depending on Rpb4 plays a major role controlling the environmental stress response in <i>Saccharomyces cerevisiae</i> <i>Francisco Navarro (Jaén, Spain)</i></p> <p>P05-005-SP <input type="checkbox"/> Targeted modulation of alternative splicing by TALE-directed chromatin editing <i>Nicole Bieberstein (Prague, Czech Republic)</i></p> <p>P05-006-SP <input type="checkbox"/> Structural dynamics of H/ACA ribonucleoproteins studied by single molecule FRET spectroscopy <i>Martin Hengesbach (Frankfurt am Main, Germany)</i></p> <p>P05-007 <input type="checkbox"/> Assembly of complex ribozymes from short RNA oligomer pools <i>Hannes Mutschler (Cambridge, United Kingdom)</i></p> <p>P05-008 <input type="checkbox"/> Prototype tool for dsRNA manipulation in sequence-specific manner <i>Dawid Glów (Warsaw, Poland)</i></p> <p>P05-009 <input type="checkbox"/> Domain organisation and functional analysis of small RNA methyltransferase HEN1 <i>Simona Baranauske (Vilnius, Lithuania)</i></p> <p>P05-010 <input type="checkbox"/> Oligomerization and phosphorylation of RNA binding proteins in the assembly of stress granules <i>Sofía Muñoz García-Mauriño (Sevilla, Spain)</i></p> <p>P05-011 <input type="checkbox"/> Structural and functional analysis of the N-terminal helicase-associated region of the spliceosomal Brr2 protein <i>Eva Absmeier (Berlin, Germany)</i></p> <p>P05-012 <input type="checkbox"/> Towards a role of the B complex-specific protein FBP21 during splicing <i>Lisa Henning (Berlin, Germany)</i></p> <p>P05-013 <input type="checkbox"/> Splicing in two yeasts is predominantly co-transcriptional and can already be detected close to the 3' splice site <i>Lydia Herzel (New Haven, United States of America)</i></p> <p>P05-014 <input type="checkbox"/> Bis(phosphorothioate) cap analogues as a tool to enhancing a translational capabilities of therapeutical mRNA <i>Malwina Strenkowska (Warsaw, Poland)</i></p> <p>P05-015 <input type="checkbox"/> Study on HAX-1 protein and its impact on transcriptome and mRNA turnover in the cell <i>Ewelina Macech-Klicka (Warsaw, Poland)</i></p>

- P05-016 Functional characterisation of the human rRNA methyltransferase WBSR22
Sara Haag (Göttingen, Germany)
- P05-017 Enzymatic modification of the 5'-cap in eukaryotic mRNAs enables labeling by click chemistry
Josephin Holstein (Muenster, Germany)
- P05-018 Expression of potential target genes regulated by miR-373 in patients with laryngeal squamous cell carcinoma
Ozlem Timirci Kahraman (Istanbul, Turkey)
- P05-019 The human spliceosomal protein-protein interaction network
Eleni Galliopoulou (Larissa, Greece)
- P05-020 Effects of Epidermal Growth Factor (EGF) on CAIX and CAXII Expression In MG-63 Cells
Ayla Solmaz Avcikurt (Balikesir, Turkey)
- P05-021 Identification of 5'-capped RNAs in bacteria
Jens Frindert (Heidelberg, Germany)
- P05-022 The impact of oxidative stress on protamine 1 and 2 transcripts contents in human spermatozoa from smokers and nonsmokers
Mohammed Hamad (Jeddah, Saudi Arabia)
- P05-023 Effects of Bisphenol A on the intraprostatic regulation of 5 α -Reductase type 3 transcription by testosterone
Beatriz Castro Bohórquez (Granada, Spain)
- P06 Non-Coding RNAs in Gene Regulation**
- P06-001-SH The impact of antisense transcription on protein abundance in yeast
Florian Huber (Heidelberg, Germany)
- P06-002-SH On-enzyme refolding permits small RNA and tRNA surveillance by the CCA-adding enzyme
Claus Kuhn (Bayreuth, Germany)
- P06-003-SH Comparative transcriptome and proteome analyses of Bacillus subtilis 6S-1 and 6S-2 RNAs deletion strains
Olga Burenina (Moscow, Russian Federation)
- P06-004-SH Biochemical characterization of long non-coding RNAs
Michal Lubas (Copenhagen, Denmark)
- P06-005-SP The activated androgen receptor regulates WNT/TCF7 through mediation of microRNA-1
Yen-Nien Liu (Taipei, Republic of China)
- P06-006-SP Electrochemical detection of microRNAs
Martin Bartosik (Brno, Czech Republic)
- P06-007-SP Shifts in non-coding RNA expression profile distort the set of nuclear envelope proteins and affect the nuclear-cytoplasmic transport
Volodymyr Halytskiy (Kyiv, Ukraine)
- P06-008-SP microRNAs as effectors regulated by androgen receptor in prostate cancer
Lorenza Pasqualini (Innsbruck, Austria)
- P06-009 MicroRNA control of protein expression noise
Joern Schmiedel (Berlin, Germany)
- P06-010 Analysis of oligoribonucleotides influence on the expression of interferon-stimulated and NF- κ B-target genes in mice influenza model
Alina Rybenchuk (Kyiv, Ukraine)
- P06-011 Dissecting the role of microRNAs and their therapeutic potential in Alzheimer's disease
Ana Viegas (Coimbra, Portugal)

- P06-012 Impact of small RNA molecules derived from the 5' ends of tRNAs in cell function
Christian Ramos (Lisboa, Portugal)
- P06-013 MiR-486 and miR-92a identified in HDL subfractions discriminate between stable and vulnerable coronary artery disease patients
Natalia Simionescu (Bucharest, Romania)
- P06-014 Integrated miRNA profiling of estrogen receptor-positive breast cancer cell MCF-7
Ali Ünlü (Konya, Turkey)
- P06-015 A systematic approach to identify novel microRNAs without reference genome sequences in non-model organisms
Wen-Chi Chang (Tainan, Republic of China)
- P06-016 miRNA mediated mechanisms of Trastuzumab and lapatinib treatment in breast cancer
Emine Ezel Cilek (Ankara, Turkey)
- P06-017 Two-level inhibition of galK expression by Spot 42: degradation of mRNA mK2 and enhanced transcription termination before the galK gene
Heon Lim (Daejeon, Republic of Korea)
- P06-018 Antioxidant effect of Lithium is regulated by microRNA-34a in SH-SY5Y cells
Begum Alural (Izmir, Turkey)
- P06-019 miR-29b is a highly promising molecular marker for breast cancer progression
Georgia Papachristopoulou (Athens, Greece)
- P06-020 Secondary structure of mature miRNAs suggests therapeutic approach
Agnieszka Belter (Poznań, Poland)
- P06-021 Homo sapiens exhibit a distinct pattern of CNV genes regulation: an important role of miRNAs in expression plasticity
Kyriacos Felekis (Nicosia, Cyprus)
- P06-022 The interaction between heat shock response and small RNA biogenesis in Drosophila melanogaster
Sergei Funikov (Moscow, Russian Federation)
- P06-023 CircRNAs and human diseases
Junming Guo (Ningbo, People's Republic of China)
- P10 Redox-Regulation of Biological Activities**
- P10-001-SH SEPN1, an endoplasmic reticulum-localized selenoprotein, counteracts hyperoxidation by means of redox-regulating SERCA2 pump activity
Ester Zito (Milan, Italy)
- P10-002-SH Calmodulin-sensitive NAD kinase controls animal NADP biosynthesis
Mathias Ziegler (Bergen, Norway)
- P11 Extrinsic and Intrinsic Regulation of Cellular Growth Control**
- P11-001-SH Control of nutrient signaling and proteostasis by PI3K-C2-mediated PI(3,4)P2 synthesis
Andrea Marat (Berlin, Germany)
- P11-002-SH Activation of CXC chemokine receptor 4 by lactoferrin
Yoshiharu Takayama (Tsukuba, Japan)
- P11-003-SP Structural insights into conformational changes of Arp2/3 complex, induced by ligand binding
Angelina Chemeris (Moscow, Russian Federation)
- P11-004-SP Allosteric regulation of insulin receptors by membrane lipids
Theresia Gutmann (Dresden, Germany)

- P11-005-SP Cyclin-dependent kinase 5 is involved in pleiotrophin-induced endothelial cell migration
Evangelia Papadimitriou (Patras, Greece)
- P11-006-SP Three to stick with: Interactions of the Bazooka PDZ domains with cell-cell junction molecules
Fabian Renschler (Tübingen, Germany)
- P11-007 Heavy metal resistance of *Bacillus subtilis* AG4 isolated from the Sotk Gold Mine in Armenia
Armine Margaryan (Yerevan, Armenia)
- P11-008 Identification of multiple phosphoforms of the Lymphocyte Phosphatase Associated Phosphoprotein (LPAP) by site-directed mutagenesis and mass spectrometry
Tatiana Meshkova (Moscow, Russian Federation)
- P11-009 Activity of Akt/mTOR pathway depends on type and time of hypertensive stimuli in the heart.
Tomasz Bednarski (Warsaw, Poland)
- P11-010 Three roles of survivin in differentiation and malignant transformation
Sinikka Eskelinen (Oulu, Finland)
- P11-011 Screening of antibiotic producing actinomycetes from the sediments of undisturbed forest areas of Asella, Ethiopia and its hyper activity after mutation
Pakkianathan Ashokkumar (Sokoto, Nigeria)
- P11-012 The cytotoxicity of different PMMA/Hydroxyapatite nanocomposites
Begumhan Yilmaz (Balikesir, Turkey)
- P11-013 Influence of snake venom Phospholipase A2 on RPE-1 cells – multiple biological roles of sPLA2
Svetla Petrova (Sofia, Bulgaria)
- P11-014 Aquaporin-1 plays important role in proliferation by affecting cell cycle progression
Ana Galán-Cobo (Sevilla, Spain)
- P11-015 Ouabain and marinobufagenin binding induce different conformations of Na,K-ATPase
Elizaveta Klimanova (Moscow, Russian Federation)
- P11-016 Oxidative stress and cell death are enhanced by N-3 pufa membrane incorporation in breast cancer cells
Paola Antonia Corsetto (Milano, Italy)
- P11-017 The $\alpha 1$ subunit of Na⁺/K⁺-ATPase is a key component in the osmotic adaptive response of nucleus pulposus intervertebral disc cells
Dimitris Kletsas (Athens, Greece)
- P11-018 Analysis of the molecular mechanisms involved in the control of lung fibroblasts growth during exposure to silicon-based quantum dots
Miruna Stan (Bucharest, Romania)
- P11-019 UPARANT inhibits vascular endothelial growth factor-induced migration and angiogenesis via the VEGFR2-dependent pathway in human retinal endothelial cells
Carla Motta (Catania, Italy)
- P11-020 N-Glycosylation as determinant of Epidermal Growth Factor Receptor conformation in membranes
Ünal Coskun (Dresden, Germany)
- P11-021 The alkaloid (-)-roemerine blocks carbohydrate uptake in *Escherichia coli*
Berna Sariyar Akbulut (Istanbul, Turkey)
- P11-022 Thymic Stromal Lymphopoietin(TSLP) and its receptor as targets for the development of anti-inflammatory and anti-leukemic inhibitory agents
Iva Markovic (Jena, Germany)

- P11-023 Silencing of Carbonic anhydrase 9 and Tetraspanin-8 caused decrease at invasion capacity of human Pancreatic Carcinoma (PANC-1) cells
Merve Karaman (Balikesir, Turkey)
- P11-024 Effects of high doses of IL-2 on the inhibition of cervical cancer cells proliferation
Isabel Soto-Cruz (Mexico City, Mexico)
- P11-025 Characterization of B16 F10 cells in culture by dielectrophoresis
Iulia Roatesi (Bucharest, Romania)
- P11-026 Toll-like receptor-4 (TLR4) in the expression of ICAM-1 and VCAM-1 in cardiac fibroblasts and myofibroblasts
Lorena Garcia (Santiago, Chile)
- P11-027 Putrescine defect leads to G1-phase cell cycle arrest by methylglyoxal accumulation
Min-Kyu Kwak (Seoul, Republic of Korea)
- P11-028 EBR promotes p53 independent apoptosis in colon carcinoma cell lines
Utku Özbey (Istanbul, Turkey)

P12 Lipid Signaling and Dynamics

- P12-001-SH Dual targeting of PI3Ky and SHIP1 for a synergistic inhibition of IgE mediated mast cell activation
Fabrizio Botindari (Basel, Switzerland)
- P12-002-SH Stomatin enriched Lipid-rafts are required for Salmonella Typhimurium clustering near the Golgi apparatus after invasion of epithelial cells
Dora Kaloyanova (Utrecht, Netherlands)
- P12-003-SH Regulation of endocytic ArfGEFs by membranes
Mahel Zeghouf (Cachan, France)
- P12-004-SH PI3P-dependent ER-endosome contacts in endosome positioning and protrusion outgrowth
Harald Stenmark (Oslo, Norway)
- P12-005-SP Cooperation of CD14 and PIP5-kinase I γ in PI(4,5)P2 generation during stimulation of cells with LPS
Agnieszka Plóciennikowska (Warszawa, Poland)
- P12-006-SP Characterization of the Ca²⁺ and phosphoinositide-binding sites of the C2 domains of Rabphilin 3A
María Dolores Pérez-Sánchez (Murcia, Spain)
- P12-007-SP New insights into the underlying mechanisms of Niemann-Pick disease type A/B
Christina-Maria Reimann (Jena, Germany)
- P12-008-SP SNX9 regulates focal adhesion disassembly during cell migration
Altynbek Zhubanchaliyev (Astana, Kazakhstan)
- P12-009 Corrective effect of N-stearoylethanolamine on pancreas phospholipid imbalance in rats with obesity-induced insulin resistance
Oleksandra Onopchenko (Kyiv, Ukraine)
- P12-010 Fasting-induced changes of hepatic lipid and carbohydrate stores in the absence of GLUT2
Ana Soares (Lausanne, Switzerland)
- P12-011 Quantitative analysis of dynamic palmitoylation in human T cells
Eliot Morrison (Berlin, Germany)
- P12-012 Regulation and signaling mechanism of cancer cell migration by TGF-Beta receptors and ceramide metabolism
Salih Gencer (Istanbul, Turkey)

- P12-013 Inhibition of ceramide synthesis as post-ischemic therapy for myocardial reperfusion injury
Marta Rita Reforgiato (Milan, Italy)
- P12-014 The Role of lipids in the intramembraneous interactions of Viral proteins
Roland Schwarzer (Israel, Israel)
- P12-015 The main endocannabinoid anandamide as signaling mediator: towards the effects upon human decidualization
Marta Almada (Porto, Portugal)
- P12-016 Effect of abiraterone and ionizing radiation on the glycohydrolases activities in prostate cancer cells
Valentina Murdica (Segrate, Italy)
- P12-017 Dyslipidemia pattern induced by the chronic inflammation in the rheumatoid arthritis
Georgeta Irinel Verma (Constanta, Romania)
- P12-018 Molecular detection of linoleate isomerase gene in lactic acid bacteria and associated CLA production
Luis Rodríguez (Porto, Portugal)
- P12-019 Effect of analysis delay on vitamin D measurement by liquid-chromatography mass spectrometry
Ali Ünlü (Konya, Turkey)
- P12-020 Fructose feeding alters fatty acid profile in offspring exposed to excess folic acid during the perigestational period
Luis Rodríguez-Alcalá (Porto, Portugal)
- P12-021 Activation of gelatinases plays a key role in ceramide 1-phosphate-induced macrophage migration
Marta Ordoñez (Leioa, Spain)
- P12-022 The effect of temperature on LPS-induced inflammatory cytokine production
Yoshinori Hiraoka (Kobe, Japan)
- P12-023 Effect of palmitoleic acid on the inflammatory phase of wound healing
Elaine Hatanaka (São Paulo, Brazil)
- P12-024 Effects of EPA and DHA on the HaCaT keratinocyte cell line
Alexandre Dermargos (São Paulo, Brazil)
- P12-025 High-throughput SAXS analysis of lipidic mesophases for structural studies of membrane proteins
Alexey Vlasov (Dolgoprudny, Russian Federation)
- P12-026 Characterization of AnNce102 and its role in eisosome stability and sphingolipid biosynthesis
Alexandros Athanasopoulos (Athens, Greece)
- P12-027 The polyphenol curcumin mitigates lysosomal cholesterol traffic impairment in vitro by promoting exosomes secretion
Miguel A. Lasunción (Madrid, Spain)
- P12-028 Small-angle scattering studies of phospholipids phase transition in membrane mimicking systems
Yury Ryzhykau (Dolgoprudny, Russian Federation)
- P12-029 Regulation of astroglial functions by trans-2-hexadecenal
Nadezda Amaegberi (Minsk, Belarus)
- P12-030 Sphingolipid destruction in HOCl-treated red blood cells
Alexandra Lisovskaya (Minsk, Belarus)
- P12-031 Functional analysis of GPI transamidase with molecular phylogenetic tree
Daiki Takahashi (Tama-ku, Kawasaki, Japan)
- P12-032 SREBP-2 upregulates PNPLA8 expression to increase autophagy
Kwang-Youn Kim (Ulsan, Republic of Korea)

- P12-034 Impact of drying processes on the fatty acid composition of *Chlorella vulgaris*
Luis Rodríguez-Alcalá (Porto, Portugal)
 - P12-035 Human steroid sulfation pathways – a biochemical perspective
Jonathan W Mueller (Birmingham, United Kingdom)
 - P12-036 The membrane skeleton in lymphocyte activation – Molecular control of receptor signalling
Pieta Mattila (Turku, Finland)
 - P12-037 Phospholipases A2: from membrane remodeling to the involvement in sperm motility
Melania Olivieri (Catania, Italy)
 - P12-038 The P4-ATPase TAT-5 inhibits the outward budding of the plasma membrane in *C. elegans* embryos
Ann Wehman (Würzburg, Germany)
 - P12-039 Novel aspects of the contribution by the lipid A acyl groups to Toll-like receptor 4 activation by lipopolysaccharide
Kirill Korneev (Moscow, Russian Federation)
 - P12-040 Examination of the role of the Sphingosine Kinases in Polymicrobial Sepsis
Andreas Thuy (Jena, Germany)
 - P12-041 Atherogenic Index (AI) as an indicator of atherosclerotic burden among Rheumatoid Arthritis (RA) patients
Seyfettin Üstünsoy (Istanbul, Turkey)
 - P12-042 The deletion of glycopeptidolipid in *Mycobacterium smegmatis* J15cs strain affects morphology and survival in host cells
Nagatoshi Fujiwara (Nara, Japan)
 - P12-043 The antioxidant effect of boric acid in chronic alcohol abuse
Ibrahim Sogut (Istanbul, Turkey)
 - P12-044 A phosphoinositide conversion mechanism for exit from endosomes
Katharina Branz (Berlin, Germany)
 - P12-045 The autocrine/paracrine action of bone-marrow-derived mesenchymal stromal cells required SphK1/S1P/S1P1 axis
Alessia Frati (Firenze, Italy)
 - P12-046 The role of intra-membrane sensing in controlling membrane homeostasis
Robert Ernst (Frankfurt am Main, Germany)
 - P12-048 The Tm7sf2 gene deficiency protects mice against endotoxin-induced acute kidney injury
Leonardo Gatticchi (Perugia, Italy)
- P15 Targeted Cancer Therapy**
- P15-001-SH Autophagy is pivotal for Hodgkin's and Reed-Sternberg cells' survival revealing a new strategy for lymphoma treatment
Katrin Birkenmeier (Frankfurt am Main, Germany)
 - P15-002-SH DNA repair protein Rad51 is strongly affected by abl-mediated double phosphorylation on Y315 and Y54
Brendan Alligand (Nantes, France)
 - P15-007 Discovering a disease associated biomarker "ANXA4" by proteome profiling: Moving toward an understanding of tumor progression
Rizma Khan (Karachi, Pakistan)
 - P15-008 Design, cytotoxicity and toxicity of new thiophene and thieno[2.3-b]pyridine derivatives
Rafat Mohareb (Giza, Egypt)
 - P15-009 The apoptosis inducing effects of new flavanone derivatives in human prostate cancer cell lines
Maliheh Safavi (Tehran, Islamic Republic of Iran)

- P15-010 Bioorthogonal enzymatic cleavage of protection groups for prodrug activation
Cornelia Ritter (Marburg, Germany)
- P15-011 Therapeutic potential of fisetin and identification of its mechanisms in action in chronic myeloid leukemia and acute promyelocytic leukemia cells
Aysun Adan Gökbulut (Izmir, Turkey)
- P15-012 AS2O3 induce epigenetic modification in NB4 cell line
Ali Khaleghian (Semnan, Islamic Republic of Iran)
- P15-013 Nanomedicine and drug delivery: enhancing nanoparticle efficacy through knowledge of their intracellular fate
Angela Panarella (Dublin, Ireland)
- P15-014 Factor of human milk promoting Fab-arms exchange: new approach to bispecific antibody production
Sergey Sedykh (Novosibirsk, Russian Federation)
- P15-015 Synthesis and cytotoxicity of fused thiophene, pyrazole derivatives derived from 2-N-benzoylmethyl-3-cyano-4,5,6,7-tetrahydrobenzo[b]thiophene
Wagnat Wardakhan (Cairo, Egypt)
- P15-016 Nucleolipid-based Ru(III) complexes as new anticancer agents
Antonella Capuzzo (Naples, Italy)
- P15-017 Effects of a fullereneol/doxorubicin nanocomposite on the heart tissue of healthy rats
Mariana Seke (Belgrade Vinča, Serbia)
- P15-018 Singlet oxygen and flavin-binding fluorescent proteins: a deadly tandem in LOV
Joaquim Torra (Barcelona, Spain)
- P15-019 Modified PNAs for splice blocking
Matthias Vonbrüll (Vienna, Austria)
- P15-020 Regulation of cathepsin B activity with nitroxoline derivatives
Ana Mitrovi (Ljubljana, Slovenia)
- P15-021 Two directions of targeted destruction of cancer cells
Aram Gyulkhandanyan (Yerevan, Armenia)
- P15-022 Targeting cathepsin B in the tumour microenvironment by inhibitory DARPins
Lovro Kramer (Ljubljana, Slovenia)
- P15-023 Experimental regulative effect of selenium compounds on the glioblastoma multiforme cells – in vitro
Duygu Harmanci (Izmir, Turkey)
- P15-024 Antitumor viral protein variant selectively cytotoxic for cancer cells when exogenously added
Santiago Ruiz Martínez (Girona, Spain)
- P15-025 Analysis of selective cytotoxicity for tumor cells of nuclear-directed human ribonuclease variants
Gloria García-Galindo (Girona, Spain)
- P15-026 Understanding the mechanism of dendrimer adsorption onto oppositely charged surfaces using surface plasmon resonance and quartz crystal microbalance techniques
Karolina Tokarczyk (Cracow, Poland)
- P15-027 Towards small molecule-based targeted delivery to immune cells
Jessica Schulze (Potsdam, Germany)
- P15-028 S1103Y-SCN5A alterations in tumors and normal tissues of patient with colorectal cancer
Handan Tuncel (Istanbul, Turkey)
- P15-029 Interferon regulatory factor 5 as a therapeutic target in Hepatitis C virus-associated hepatocellular carcinoma
Ozge Cevik (Sivas, Turkey)

- P15-030 The probable molecular pathways of antitumor activity of fenugreek (*Trigonella foenum graecum* L.) in vivo
Veronika Bentrud (Kyiv, Ukraine)
- P15-031 Hydroxyapatite/poly(lactic-co-glycolic acid)/doxorubicin coatings for the prevention of bone cancer relapse at the bone-implant interface
Valentina Grumezescu (Magurele, Romania)
- P15-032 The oxidative stress generated in mice spleen by polymeric micelles coated SPIONS
Ioana-Mihaela Din (Popescu) (Bucharest, Romania)
- P15-033 Scorpion toxins at rescue: insecticidal peptides with anticancer activity
Maria Sachkova (Moscow, Russian Federation)
- P15-034 Characterization of a new DNA aptamer selected against STAT5B, a protein involved in leukemias
Hassan Isber (Compiègne, France)
- P15-035 A novel 3D cell culture system for in vitro evaluation of anticancer compounds
Taito Nishino (Saitama, Japan)
- P15-036 Is Vitamin D3 has any effect on the proliferation of colorectal cancer (HCT116) cells?
Ozlem Kucukhuseyin (Istanbul, Turkey)
- P15-037 Proteomic investigation into GM2 extract from *Grangea maderaspatana* (L.) Poir. Induced Apoptosis and cell cycle arrest in the MDA-MB-468 human breast cancer cell line
Kanyanatt Kanokwiroon (Hat Yai, Songkhla, Thailand)
- P15-038 Combined effect of Cetuximab and Stabilized-Ag ion solution on epirubicin-resistant human Non-Small Cell Lung Cancer (NSCLC) comparing with parental cells
Aysun Özkan (Antalya, Turkey)
- P15-039 The role of (poly)sialic acid during meningioma progression
Rieke Lischka (Halle, Germany)
- P15-040 Biosilica nanovector from diatomite for siRNA transport in cancer cells
Nunzia Migliaccio (Naples, Italy)
- P15-041 C60 fullerenes modify protein tyrosine phosphorylation patterns in normal and transformed T cells
Kseniia Palyvoda (Kyiv, Ukraine)
- P15-042 Numerical features of the mechanisms of cancer cell death triggered by homologous cationic peptides
Peter Dubovskii (Moscow, Russian Federation)
- P15-043 Cytotoxic activity of novel acridine-thiazolidinone agents: DNA binding properties, topoisomerase I inhibition activity of (2Z)-3-(acridine-9-yl)-(diphenylhydrazin-1-ylidene)-1,3-thiazolidine-4-ones
Othman Salem (Košice, Slovakia)
- P15-044 Characterization of Solid Lipid Nanoparticles to improve liposoluble drug delivery
Lide Arana (Leioa, Spain)
- P15-045 Targeting mitochondrial citrate transport in cancer
Ali Burak Ozkaya (Izmir, Turkey)
- P15-046 L-asparaginase from *Pisum sativum* L. and its application as an effective drug in cancer treatment
Daniela Manova (Sofia, Bulgaria)
- P15-047 Histone deacetylase inhibitors, EX527 and AGK2, suppress cell proliferation and migration by inhibiting the HSF1/Hsp27 pathway
Sang-Gun Ahn (Gwangju, Republic of Korea)

- P15-048 Polymorphisms in the TOX3 gene and hormone receptor status of breast cancer in Kazakh women
Alena Neupokoyeva (Almaty, Kazakhstan)
- P15-049 Improved anti-tumor activity of cytostatic drugs functionalized magnetite nanoparticles without application of high amplitude alternating magnetic fields
Roxana Cristina Popescu (Magurele, Romania)
- P15-050 NDRG1 as a marker gene for acute hypoxic oxygenation conditions in the brain tumor environment
Harun Said (Izmir, Turkey)
- P15-051 Hypoxia induced CA9 targeting via different alternative approaches including sulfonamide derivative compounds in human brain cancer in vitro
Harun Said (Izmir, Turkey)
- P15-052 Cross-talk between GHRH and EGFR in triple-negative breast cancer cells
Ana Bajo (Alcalá de Henares, Spain)
- P15-053 On-line SAW-biosensor-mass spectrometry as a powerful tool for studying biological complexes
Mireia Díaz-Lobo (Barcelona, Spain)
- P15-054 Serum NEDD9 levels may have prognostic roles in patients with gastric cancer
Derya Duranyıldız (Istanbul, Turkey)
- P15-055 Effects of novel gene delivery vector systems based on poly(vinyl benzyl trimethylammonium chloride) on A549 cell line
Tanya Topouzova-Hristova (Sofia, Bulgaria)
- P15-056 Reversion of glioblastoma stem-like cells chemoresistance by adenosine A3 receptor blockage
Angelo Torres (Valdivia, Chile)
- P15-057 Reduced expression of RNF43 is associated with the presence of somatic mutation and poor prognosis of cholangiocarcinoma patients
Chutima Talabnin (Nakhon Ratchasima, Thailand)
- P15-058 Optimization of novel benzothioephene-3-carboxamide inhibitors of Aurora kinases
Pál Gyulavári (Budapest, Hungary)
- P15-059 Loss of antiproliferative response attributed to ablated glucocorticoid receptor function in mouse skin carcinogenesis is compensated by N-bromoamine taurine
Vassilis Zoumpourlis (Athens, Greece)
- P15-060 Identification and validation of angiotensin II type 1 receptor as a possible anti-cancer target in neuroendocrine tumours
Samantha Exner (Berlin, Germany)
- P15-061 Apoptosis induction of 2H-chromene derivatives on human breast cancer cells
Sussan Ardestani (Tehran, Islamic Republic of Iran)
- P15-062 Expression profiling of apoptotic proteins and their induction by Bcl-xL inhibitors in endometrial cancer cells
Jozef Hatok (Martin, Slovakia)
- P15-063 Assessment of breast cancer and melanoma cells transmigration through blood-brain barrier by electron microscopy
Hildegard Herman (Arad, Romania)
- P15-064 Investigation of BAG-1's effect in the regulation of autophagy
Gizem Alkurt (Istanbul, Turkey)
- P15-065 Monte Carlo method QSAR modeling and docking study of Bcl-xL inhibitors
Aleksandar Veselinović (Niš, Serbia)
- P15-066 *Yersinia enterocolitica* strains of different bioserotypes and genotypes exhibit inhibitory potential on papain-like cysteine proteases
Mateusz Kędzior (Wrocław, Poland)

- P15-067 Do serum nectin-2 levels have a prognostic effect in patients with colorectal cancer?
Murat Serilmez (Istanbul, Turkey)
- P15-068 5-aminolevulinic acid-based photodynamic therapy procedure affects matrix metalloproteinase 2 activity in surviving SW620 cancer cells
Rafał Seredyński (Wrocław, Poland)
- P15-069 Intensification of extranuclear effects of cisplatin promotes cytotoxicity towards drug-resistant leukemic cells
Daria Franskevych (Kyiv, Ukraine)
- P15-070 ACE2 associated with pulmonary inflammation and MMPs activities in acute lung injury by bleomycin treatment
Chih-Sheng Lin (Hsinchu, Republic of China)
- P15-071 Apoptotic genes expression in human neuroblastoma cells after apoptotic inhibitors treatment
Eva Blahovcová (Martin, Slovakia)
- P15-072 Potential role of NLRX1 as a tumor suppressor and a predictor of sensitivity to oncolytic viruses
Anastasiya Poteryakhina (Moscow, Russian Federation)
- P15-073 Ibuticycline sensitizes human hepatocellular carcinoma cells to TRAIL-induced apoptosis via calpain-mediated Bax cleavage
Seok Soon Park (Seoul, Republic of Korea)
- P15-074 Evaluation of the major capsid protein of trichodysplasia spinulosa-associated polyomavirus as a carrier for target epitopes
Aurelija Zvirbliene (Vilnius, Lithuania)
- P15-075 Expression of GS28 in colorectal carcinoma tissues
Seong-Whan Jeong (Seoul, Republic of Korea)
- P15-076 Cotyledon extract of *Vatica diospyroides* Symington type SS induces apoptosis in colorectal cancer cells
Raphatphorn Navakanitworakul (Hat Yai, Thailand)
- P15-077 Carbonic Anhydrases IX and XII as anticancer targets and their inhibitors
Daumantas Matulis (Vilnius, Lithuania)
- P15-078 Evaluation of the biocompatibility of Gd-lymphotropic nanoparticles on RAW 264.7 cell line
Cecilia Gheran (Bucharest, Romania)
- P15-079 Identification of a novel class of lysosomotropic REV-ERB antagonist as an innovative anticancer strategy
Luisa Ercolani (Genova, Italy)
- P15-080 Complexation of porphyrins with transferrin for target delivery in tumor
Anna Gyulkhandanyan (Yerevan, Armenia)
- P15-081 miR-3158: a TAp73-induced target which inhibits epithelial-mesenchymal transition through downregulation of vimentin
Vassilis Zoumpourlis (Athens, Greece)
- P15-082 Serum MCP-1 in pancreatic adenocarcinoma
Hilal Oguz Soydinç (Istanbul, Turkey)
- P15-083 Effects of GHRH on the regulation cycle of prostate cancer cells
María José Carmena (Alcalá de Henares, Spain)
- P15-084 Polyelectrolyte nanocapsules as a drug carrier for targeted cancer therapy
Krzysztof Szczepanowicz (Krakow, Poland)
- P15-085 The integrated analysis of gene expression profiles related with acquired cisplatin resistance
Sung Young Kim (Seoul, Republic of Korea)
- P15-086 Importance of HGMB1 serum levels in breast cancer patients
Vildan Yasasever (Istanbul, Turkey)

- P15-087 Deregulation of histone acetyltransferases (HATs) and deacetylases (HDACs) in urothelial carcinoma
Evangelia Koutsogiannouli (Düsseldorf, Germany)
- P15-088 Strong down-regulation of tumor suppressor genes RB1 and CTDSPL is associated with aberrant expression of cell cycle regulation genes in non-small cell lung cancer
Vera Senchenko (Moscow, Russian Federation)
- P15-089 Investigation of inhibitory effects of 4-arylcoumarin derivatives on human glutathione s-transferase
Ayse Ogan (Istanbul, Turkey)
- P15-090 The double-stranded RNA-binding protein DGCR8A, a major component of the microprocessor complex, bears anti-proliferative properties in cancer cells
Matthias Stope (Greifswald, Germany)
- P15-091 ER resident protein expression increases upon Bag-1 overexpression in breast cancer cells
Pinar Öztepe (Istanbul, Turkey)
- P15-092 Magnetically responsive polyelectrolyte nanocapsules as carriers of therapeutic compounds
Karolina Podgorna (Cracow, Poland)
- P15-093 Increasing oncolytic potentials of viruses through optimization of codon usage characteristic to cancer cells
Dmitry Kochetkov (Moscow, Russian Federation)
- P15-094 The protective role of chlorophylline-Cu complex on N-methyl-N-nitrosourea induced breast cancer model in Sprague Dawley Rats: Glutathione and DNA damage levels
Mehmet Ozcan (Ankara, Turkey)
- P15-095 Production of protein therapeutics for cancer treatment: Cloning, overexpression and molecular characterization of four superantigens
Sara Bashraheel (Doha, Qatar)
- P15-096 Oncolytic activity of non-pathogenic human enteroviruses in humanized sublines derived from rat glioma cells C6
Anastasiia Sosnovtceva (Moscow, Russian Federation)
- P15-097 Generation and characterization of intracellular nanobodies to trace dynamic changes of endogenous vimentin in living cells
Ulrich Rothbauer (Reutlingen, Germany)
- P15-098 Effect of the bioactive components of *Salvia absconditiflora* on gene expressions of HepG2 cell line
Deniz Irtem Kartal (Ankara, Turkey)
- P15-099 Permeability of membranes is more susceptible to hyperthermia in cancer cells as compared to normal cells lines
Vida Mildaziene (Kaunas, Lithuania)
- P15-100 PKC α as a key switch in cancer signaling pathways
Teresa Coronado-Parra (Murcia, Spain)
- P15-101 Effects of alcohol consumption on DMH-induced rat colon cancer
Fumio Shimamoto (Hiroshima, Japan)
- P15-102 Drug delivery to human endothelial and glioblastoma cells by poly(methacrylic acid)-graft-poly(ethylene glycol)-coated magnetic nanoparticles
Evangelia Papadimitriou (Patras, Greece)
- P15-103 Targeted near-infrared imaging of breast cancer xenografts using optimized CMKLR1-targeted peptide probes
Sarah Poenick (Berlin, Germany)
- P15-104 Activation of Beta-catenin/c-Myc signaling pathway by HN1 promotes growth and metastasis of Hepatocellular carcinoma cells
Soo Mi Kim (Jeonju, Republic of Korea)

- P15-106 Naïve and genetically-modified hMSCs exhibit anti-proliferative effects on human cancer cells
Vassilis Zoumpourlis (Athens, Greece)
- P15-107 Carbon nanotubes for efficient mitochondrial tumor targeting
Mani Bhargava (Kanpur, India)
- P15-108 Serum profile pattern in prostate cancer by proteomic analysis
Ionela Daniela Popescu (Bucharest, Romania)
- P15-109 The sensitivity of neuroblastoma cells to binase toxic effect depends on the expression of KIT oncogene
Ksenia Burnysheva (Moscow, Russian Federation)
- P15-110 Polyelectrolyte oil-core nanocarriers of up-converting NaYF₄:Tm³⁺,Yb³⁺ nanocrystals for enhanced delivery and bioimaging in human ovarian carcinoma (SKOV3) cells
Urszula Bazylińska (Wroclaw, Poland)
- P15-111 Targeting the breast tumor in mouse model using undifferentiated mesenchymal stem cells and VEGFR-expressing endothelial-like cells
Maryam Adelipour (Tehran, Islamic Republic of Iran)
- P15-112 A novel immunotherapeutic and anti-cancer drug GA-40
Giorgi Alexidze (Tbilisi, Georgia)
- P15-113 Antioxidant activity of *Salvia fruticosa* and its effects on HT-29 cell line
Ahmet Altay (Ankara, Turkey)
- P15-114 Demonstration of apoptosis via TUNEL assay and Codon 72 Polymorphism of p53 gene of MCF-7 and MDA-MB-231 cell lines upon treatment of Doxorubicin
Selin Oncul (Ankara, Turkey)
- P15-115 Approaches to Multiple Sclerosis therapy by selective autoreactive B-cells depletion
Alexey Stepanov (Moscow, Russian Federation)
- P15-116 Identification and characterization of small molecule inhibitors targeting DNA polymerase gamma for the treatment of cancers deficient in mismatch repair
Cevriye Pamukcu (Istanbul, Turkey)
- P15-117 Production of sugar-1-phosphates using nucleoside phosphorylases
Sarah Kamel (Berlin, Germany)
- P15-118 UV-Vis absorption studies of serum albumin binding with poly(D,L-lactide) nanospheres stabilized with Cremophor EL and loaded with hydrophobic cyanines
Jadwiga Pietkiewicz (Wroclaw, Poland)
- P15-119 VEGF and PDGF-AA over-expression have a functional role in promoting prostate cancer progression in rats
Josep Fernández-Novell (Barcelona, Spain)
- P15-120 Production of antileukemic L-asparaginase by filamentous fungi isolated from Brazilian Savanna
Pérola Magalhães (Brasília, Brazil)
- P15-121 Targetomics, microarray-based screening for the identification of new drugs against *Leishmania braziliensis*
Sona Mohammadi-Ostad-Kalayeh (Hannover, Germany)
- P15-122 Boosting NAD(P)⁺ biosynthesis with NAD(P)⁺ intermediates and monitoring mitochondrial NAD(P)⁺/NAD(P)H pool by means of fluorescence-based techniques could be a strategy for preventing and treating woman's cancers
Maria Luigia Pallotta (Campobasso, Italy)
- P15-124 Synthesis of sugar-modified nucleoside analogues by novel N-deoxyribosyltransferases – from screening to application
Heba Abdelrahman (Berlin, Germany)

- P15-125 The role of antiviral innate immunity mechanisms abrogation in the acquisition of sensitivity to oncolytic viruses
Anastasiia Afremova (Moscow, Russian Federation)
- P15-126 Curcumin induced-apoptotic cell death in GH overexpressed MDA-MB-231 breast cancer in time dependent manner
Merve Çelik (Istanbul, Turkey)
- P15-127 Synthesis and biological evaluation of a novel series of Cyanoacrylamide derivatives as anticancer therapy
Magda Mohamed (Giza, Egypt)
- P15-128 Application of innovative drugs against tumor
Rexhmir Deda (Camerino, Italy)
- P15-129 Synthesis of novel peptidyl platform multitargeted anticancer drugs and its immobilisation on Ag-, Au- and Pt-functionalized magnetic silica nanoparticles
Aleksei Solomonov (Ivanovo, Russian Federation)
- P15-130 Targeted delivery of therapeutics using genetically engineered commensal bacterial protoplast-derived nanovesicles
Oh Youn Kim (Pohang, Republic of Korea)
- P16 Functional Glycobiology – from Mechanism to Disease**
- P16-001-SH Collagen glycation and deglycation. Candidate locations of collagen non-enzymatic glycation and characterization of an Amadoriase enzyme for its prevention
Alfonso Gautieri (Milan, Italy)
- P16-002-SH Structure, function and biosynthesis of a new class of human N-glycosylated neutrophilic proteins in pathogen-infected sputum
Morten Thaysen-Andersen (Sydney, Australia)
- P16-003-SP Biosensing of intact glycosylphosphatidylinositol-anchored proteins in serum as biomarkers for stress-induced diseases
Günter Müller (Garching-Hochbrück, Germany)
- P16-004-SP Interaction analysis between sugar chain and aromatic residue in mammalian protein
Kenji Etchuya (Kanagawa, Japan)
- P16-005-SP Analysis of GOLPH3 depletion on protein glycosylation in human glioblastoma multiforme T98G cells
Gonzalo Mardones (Valdivia, Chile)
- P16-006-SP Nanoscale self-assembled multivalent (SAMul) heparin binders: promising clinical tools
Ana Rodrigo (York, United Kingdom)
- P16-007 Distribution of myophosphorylase in muscle development using zebrafish as a research model
Anna Kosieradzka (Wroclaw, Poland)
- P16-009 Glycosaminoglycans – from abstract knowledge to the use of knowledge in clinical medicine
Maryna Knyazyeva (Kharkov, Ukraine)
- P16-010 Structure and specificity of lectin from bacterium Burkholderia pseudomallei
Petra Sýkorová (Brno, Czech Republic)
- P16-011 Expression of Schistosoma mansoni Sm21.7 protein in Pichia pastoris and the subsequent immune response in mice
Mahmoud Romeih (Giza, Egypt)
- P16-012 Sialic acid – risk marker for diabetes complications; Modifications according to gender and age in patients with type 2 diabetes
Georgiana Damache (Constanta, Romania)

- P16-013 New potential drugs with multiple therapeutically effects obtained from small sea fish
Natalia Rosoiu (Constanta, Romania)
- P16-014 Effect of Fabaceae (Galega officinalis L.) consumption on levels of blood glucose, lipids and Lipoproteins in streptozotocin-induced diabetic rats
Mehrdad Pashazadeh (Bursa, Turkey)
- P16-015 Specific expression of O-glycoprotein glycans in cholangiocarcinoma cell lines
Krajang Talabnin (Nakhon Ratchasima, Thailand)
- P16-016 Lectin activity among Phaseolus vulgaris cultivars
Erika Dzhagalina (Almaty, Kazakhstan)
- P16-017 The role of the mmp2 and mmp9 in progression of atherosclerosis with type II diabetes mellitus patients
Durmus Ayan (Istanbul, Turkey)
- P16-018 the relationship between diabetes, atherosclerosis and serum PAI-1, MCP-1, visfatin, resistin levels
Seher Yüksel (Ankara, Turkey)
- P16-019 Indoleamine 2,3-dioxygenase related metabolic effects of 3-aminobenzamide and infliximab in lung tissue of experimental colitis model
Duygu Sahin (Ankara, Turkey)
- P16-020 X-ray structure of recombinant non-glycosylated FAD glucose dehydrogenase derived from Aspergillus flavus
Hiromi Yoshida (Miki, Japan)
- P16-021 Determination of exopolysaccharide production in lactic acid bacteria isolated from Turkish local yogurt
Asiye Asli Emniyet (Corum, Turkey)
- P16-022 Multiple approaches to characterise α -1-acid glycoprotein glycosylation in pancreatic cancer
Meritxell Balmaña (Girona, Spain)
- P16-023 Role of sialyltransferase expression in breast cancer progression and metastasis
Kaya Bork (Halle, Germany)
- P16-024 Efficacy and immunogenicity of an insect cell-derived virus-like particle vaccine for avian influenza H7N9 virus in mice
Miriam Klausberger (Vienna, Austria)
- P16-025 Immunological Biomarkers Elicited in Female Rats Administered with Pro-Fertility Extract of Anthocleista Vogelii
Olugbenga Oladimeji (Lagos, Nigeria)
- P16-026 Serglycin promotes breast cancer cell aggressiveness via up-regulation of the expression of proteolytic enzymes and controls osteoclastogenesis
Marina Lamproniou (Larisa, Greece)
- P16-027 Increased expression of serglycin in solid tumors and aggressive cancer cell lines
Argyrios Noulas (Larisa, Greece)
- P18 Signal Transduction in Tumor Development, Differentiation and Immune Escape**
- P18-001-SH Reconstitution of TGFB2-mediated signaling causes upregulation of GDF-15 in colorectal cancer cells
Jürgen Kopitz (Heidelberg, Germany)
- P18-002-SH The Damaged DNA Binding 2 protein: a new modulator of TGF β -1 signaling pathway and membrane nanomechanics in breast cancer cells
Claire Barbieux (Vandoeuvre lès Nancy, France)

- P18-003-SH Secretory factors regulating cell aging: the role of exosomes in H-Ras-Induced Senescence
Krizia Sagini (Perugia, Italy)
- P18-004-SH Phosphorylation of HIF-1 α and its role in metabolic reprogramming under hypoxia
George Simos (Larissa, Greece)
- P18-006-SP Chronic stress suppresses autophagy and affects spontaneous differentiation of bone marrow stromal cells
Zvenyslava Husak (Vienna, Austria)
- P18-007-SP Activation and repression by oncogenic Myc shape tumor-specific gene expression profiles
Elmar Wolf (Würzburg, Germany)
- P18-008 Expression of pro- and anti-angiogenic genes in U87 glioma cells is regulated by ERN1 mediated endoplasmic reticulum stress
Kateryna Kubaichuk (Kyiv, Ukraine)
- P18-009 Dioxin receptor (AhR) transcription factor modulates hepatocytes polyploidization, stem cells maintenance and regeneration in liver mice presumably via Wnt/Beta-catenin pathway
Nuria Marin (Badajoz, Spain)
- P18-010 Aldehyde dehydrogenase requires dioxin receptor knock-down to promote melanoma tumorigenesis
Maria Contador (Badajoz, Spain)
- P18-011 Treatment of certain types of carcinomas by drugs from natural source
Inesa Avagyan (Yerevan, Armenia)
- P18-012 The dioxin receptor downmodulation enhances cell reprogramming of somatic cells into induced pluripotent stem cells (iPSCs)
Eva Rico Leo (Badajoz, Spain)
- P18-013 IRF5 activates the apoptotic pathway in HCV infected hepatoma cells
Ozge Cevik (Sivas, Turkey)
- P18-014 Berberine inhibits proliferation by cell cycle arrest at the G2/M phase via PI3K/Akt and p38 kinase in HTB-94 human chondrosarcoma cell line
Song-Ja Kim (Gongju, Republic of Korea)
- P18-015 Fad104, a positive regulator of adipogenesis, inhibits invasion and metastasis of cancer cells through the suppression of STAT3 activity
Daiki Katoh (Nagoya, Aichi, Japan)
- P18-016 Carboxyl-terminal of IGF-1Ec variant induces proliferation and migration of ER+ breast cancer MCF-7 cells via ERK signaling
Panagiotis Christopoulos (Athens, Greece)
- P18-017 Mitochondrial dysfunction induces EMT through the TGF- β /Smad/Snail signaling pathway in Hep3B hepatocellular carcinoma cells
Eui-Yeun Yi (Busan, Republic of Korea)
- P18-018 The role of KCNMA1 in mature adipocytes
Makoto Nishizuka (Nagoya, Aichi, Japan)
- P18-019 Ceramide 1-phosphate stimulates cell migration in pancreatic cancer cells
Io Rivera (Leioa, Spain)
- P18-020 The level of HSF1 expression and its phosphorylation status do not correlate with migration efficiency of melanoma and breast cancer cells
Agnieszka Toma-Jonik (Gliwice, Poland)
- P18-021 The role of fad24, a positive regulator for adipogenesis, in early embryonic development and muscle cell activation
Natsuki Ochiai (Nagoya, Aichi, Japan)
- P18-022 Tetraspanin CD9 and CD82 negatively regulate epithelial-to-mesenchymal transition, anoikis resistance, and stemness of human prostate cancer cells
Hansoo Lee (Chuncheon, Republic of Korea)

- P18-023 The inhibition of b-catenin and akt reduced the binding of Peo-1 cells to fibronectin
Seda Sari Kilicaslan (Eskişehir, Turkey)
- P18-024 Metabolic adaptation of human bronchial smooth muscle cells to hypoxia involves HIF-1 and its regulation by CK1 δ
Efrosyni Paraskeva (Larissa, Greece)
- P18-025 Development of peptide inhibitors that target the ERK-dependent function of HIF-1 α
Ilias Mylonis (Larissa, Greece)
- P18-026 Structural characterization of the aryl hydrogen receptor, a newly identified pattern recognition receptor
Anne Stinn (Berlin, Germany)
- P18-027 Repression of HNF4 α nuclear receptor expression promotes malignant properties of human pancreatic ductal adenocarcinoma cells
Mikhail Chesnokov (Moscow, Russian Federation)
- P18-028 Elevated circulating endothelial-derived apoptotic microparticles are associated with tumor invasion and poor prognosis of hepatocellular carcinoma
Jolanta Zuwała-Jagiello (Wrocław, Poland)
- P18-029 Polymorphism in the Kaposi's Sarcoma-associated Herpes virus G-protein coupled receptor
Arieh Katz (Cape Town, South Africa)
- P18-030 Hypoxia induces the expression of pro-fibrotic, EMT and fibrosis marker genes in hepatocellular carcinoma cells
Eleni-Anastasia Triantafyllou (Larissa, Greece)
- P18-031 NF- κ B, I κ B, and EGFR behavior at early stages of a ferric nitrilotriacetate-induced renal cell carcinoma experimental model
Telma Pariente Perez (Mexico, Mexico)
- P18-032 Morphological and biochemical alterations in the spleen caused by immunomodulatory compound cucumarioside A2-2
Evgeny Pisyagin (Vladivostok, Russian Federation)
- P18-033 Pro-angiogenic activity of macrophage inhibitory cytokine-1 secreted from tumor cells under hypoxic conditions
Hansoo Lee (Chuncheon, Republic of Korea)
- P18-034 CpG-oligodeoxynucleotide-stimulated macrophage migration
Doo-Sik Kim (Seoul, Republic of Korea)
- P18-035 DNA damage signaling in mesenchymal stem cell differentiation
Laszlo Virag (Debrecen, Hungary)
- P18-036 Dual role of calpains in murine mammary gland involution after lactation: Involvement in pregnancy-associated breast cancer
Rosa Zaragoza (Valencia, Spain)
- P18-037 PARP-1 Expression and ERK Activation are negatively modulated by PJ-34 in an in vitro model of Glioma-Conditioned Blood Brain Barrier
Floriana D'Angeli (Catania, Italy)
- P18-038 TGF β 1-induced migration of adenocarcinoma of the lung by Smad-dependent and -independent mechanisms
Andre Menke (Gießen, Germany)
- P18-039 Role of KIT signaling in survival of neuroblastoma cells
Timofey Lebedev (Moscow, Russian Federation)
- P18-040 Effect of microenvironment on Imatinib resistance of K562 cells
Arzu Karabay (Ankara, Turkey)
- P18-041 CCAAT/enhancer binding protein-beta regulates HIF-1 alpha expression through mTORC1 pathway
Kyungsil Yoon (Goyang, Republic of Korea)

- P18-042 LAR protein tyrosine phosphatase enhances PDGF β -receptor signaling by the inhibition of G-protein-coupled receptor kinase 2
Adil Sarhan Almuntafey (Birmingham, United Kingdom)
- P18-043 Molecular changes of wnt signaling play important roles in astrocytic brain tumor etiology
Anja Kafka (Zagreb, Croatia)
- P18-044 AMPK activation blocked oxidative damage and mitochondrial dysfunction induced by nutrition deprivation as mediated with induction of farnesoid X receptor
Ju-Hee Lee (Daegu, Republic of Korea)
- P21 Mechanisms of Nervous System Development and Regeneration**
- P21-001-SH Manipulating recycling endosomes to increase axon regeneration in the CNS
Richard Eva (Cambridge, United Kingdom)
- P21-002-SH Loss of Sad kinases results in different phenotypes during hippocampal and cortical development
Pratibha Dhumale (Muenster, Germany)
- P23 Molecular Architecture and Assembly of the Synapse**
- P23-001-SH Analysis of a PIST KO-mouse line for changes in the central nervous system
Judith Koliwer (Hamburg, Germany)
- P23-002-SH Dendritic spines are initiated by MIM-induced membrane bending
Pirta Hotulainen (Helsinki, Finland)
- P23-003-SH Dynamic of presynaptic calcium channels
Martin Heine (Magdeburg, Germany)
- P23-004-SH Role of the Dlg scaffold complex in Ca²⁺-homeostasis at glutamatergic NMJs
Ulrich Thomas (Magdeburg, Germany)
- P23-005-SP Overlapping functions of stonin 2 and SV2 in sorting of the calcium sensor synaptotagmin 1 to synaptic vesicles
Natalie Kaempf (Berlin, Germany)
- P23-006-SP Comparison of synaptic connectivity in iPSC – derived neurons from patients with schizophrenia and autism
Lena-Marie Grunwald (Reutlingen, Germany)
- P23-007-SP Diffusional spread and confinement of newly exocytosed synaptic vesicle proteins
Niclas Gimber (Berlin, Germany)
- P23-008-SP Regulation of PSD-95 MAGUK scaffold assembly
Nils Rademacher (Berlin, Germany)
- P23-009 Glutamate concentration at hippocampal excitatory synapses: establishment by deterministic dynamical modelling
Maryna Hliatsevich (Minsk, Belarus)
- P23-010 Analyzing the interplay between MuSK dependent signaling and the cytoskeleton during neuromuscular synapse formation
Bahar Camurdanoglu (Vienna, Austria)
- P23-011 FGF22-induced activation of the PI3K/Akt and Erk signaling pathways in the hippocampus
Susana Sampaio (Coimbra, Portugal)
- P23-012 Multicolor 'caged' dSTORM resolves the ultra-structure of synaptic vesicles in the brain
Jan Schmoranzler (Berlin, Germany)
- P23-013 Adenosine A1 and A2A receptor heterotetramers simultaneously bind to Gi and Gs protein
David Aguinaga (Barcelona, Spain)

- P23-014 Role of the Lipocalin-2 in the structural plasticity of neurons
Marta Szychowska (Warsaw, Poland)
- P23-015 The neuro-cardiac interaction defines an extracellular microdomain required for neurotrophic signaling
Mauro Franzoso (Padua, Italy)
- P23-016 Functional analysis of the Shank/ProSAP N-terminal domain (SPN) of Shank3
Victoria Martens (Hamburg, Germany)
- P23-017 Structural and functional characteristics of xenapses – a novel model system for synaptic transmission
Georgii Nosov (Muenster, Germany)
- P23-018 JNK phosphorylation of post-synaptic scaffold proteins
Stella-Amrei Kunde (Berlin, Germany)
- P23-019 Morphine alters laterality index for distribution of biogenic amines in lobes of cerebral cortex
Mikhail Kurbat (Grodno, Belarus)
- P23-020 JNK-associated scaffold proteins and their role in the development and function of neurons
Hanna Zieger (Berlin, Germany)
- P24 Control of Neuronal Function by Regulating Protein Homeostasis**
- P24-001-SH Loss of the neuron-specific F-box protein FBXO41 models an ataxia-like phenotype in mice with developmental defects and degeneration in the cerebellum
Judith Stegmueller (Göttingen, Germany)
- P24-002-SH Activity-dependent regulation of proteasome at presynapse
Anna Fejtova (Magdeburg, Germany)
- P24-003-SP Vaccinia-related kinase 2 controls eukaryotic chaperonin TRiC/CCT stability by inhibiting Ubiquitine-specific protease 25
Dohyun Lee (Pohang, Republic of Korea)
- P24-004-SP Dysfunction of PLC-gamma1 contributes to the development of neuropsychiatric disorders
Yong Ryoul Yang (Ulsan, Republic of Korea)
- P24-005-SP Unfolded Protein Response in Parkinson's disease: a new neuroprotective role for Glutathione S-Transferase pi
Maria Gama (Lisbon, Portugal)
- P24-006-SP Regulation of SH3 domains in intersectin 1 modulates its function in the synaptic vesicle cycle
Fabian Gerth (Berlin, Germany)
- P24-007 Tryptophan hydroxylase gene involvement in the serotonergic abnormality of autism spectrum disorders: A genetic and genotype-phenotype correlation study
Asem Singh (Bangalore, India)
- P24-008 Alterations in functional status of rat brain mitochondria under circadian rhythm disorders
Zurab Kuchukashvili (Tbilisi, Georgia)
- P24-009 Neuroprotective effect of Mycophenolate mofetil against Tacrolimus induced brain failure in rats
Hanen Ferjani (Monastir, Tunisian Republic)
- P24-010 Orexin--CRF1-sigma-1 complexes as targets for cocaine
Gemma Navarro Brugal (Barcelona, Spain)
- P24-011 Blood-Brain barrier differences between white and grey matter
Maria Suci (Arad, Romania)

- P24-012 Design and synthesis of novel 2-pyrazoline analogues and their hMAO inhibitory activities
Gulberk Ucar (Ankara, Turkey)
- P24-013 Discontinuous morphine administration evokes reliable changes in the neuroactive amino acid pools and biogenic amines in rat brain regions
Hanna Vinitskaya (Grodno, Belarus)
- P24-014 Purified calpain hydrolyses the hexapeptide analogue of C-terminal fragment of Substance P
Wojciech Antoni Turski (Rzeszow, Poland)
- P24-015 Implication of the Na⁺/Ca²⁺ exchanger to the fine tuning of the neurosecretory process of GABA
Olga Krupko (Kyiv, Ukraine)
- P24-016 Sulforaphane counteracts neurodegeneration induced by glycativ stress in SH-SY5Y cells
Benedetta Rizzo (Bologna, Italy)
- P24-017 New mechanisms of receptor-based pharmacological effects of regulatory peptides
Tatiana Vyunova (Moscow, Russian Federation)
- P24-018 The effect of the *Cyperus rotundus* terpen, alpha cyperone, on the Polymerization of Microtubules, in vitro as an indicator of memory
Azam Azimi (Tehran, Islamic Republic of Iran)
- P24-019 Thrombin mediates migration of SK-N-SH cells via PLC, Ca²⁺, CaMKII, PKCa, and NF-kB-dependent matrix metalloproteinase-9 expression
Chien-Chung Yang (Taoyuan, Republic of China)
- P24-020 Rat brain proteome changes induced by acute and chronic stress
Aliaksandr Ivanchyk (Minsk, Belarus)
- P24-021 Neuropeptides, age and food availability affect the level of sugars in the haemolymph of tenebrionid beetles
Pawel Marciniak (Poznan, Poland)
- P24-022 Myelin basic protein binds the Von Willebrand domain of ubiquitin receptor Rpn10 to enable ubiquitin-independent proteasomal degradation
Anna Kudriaeva (Moscow, Russian Federation)
- P24-023 Epigenetic effect of Trichostatin A on attenuating neuroinflammation and cognitive dysfunction in septic mice
Ching-Hua Yeh (Changhua, Republic of China)
- P26 Interspecies Communication**
- P26-001-SH Genetic dissection of the potential pattern recognition receptor IGLR-2 for Enterohemorrhagic *Escherichia coli* immunity in *Caenorhabditis elegans*
Chang-Shi Chen (Tainan, Republic of China)
- P26-002-SH Role of the intestinal Muc2 mucin in the *Vibrio cholerae* quorum sensing responses along the intestinal tract
Robert Rojas (Santiago, Chile)
- P26-003 Adaptation and communication – the keys for survival in bacterial world
Inês Batista Guinote (Lisboa, Portugal)
- P26-004 Petri net based description and analysis of the autophagy of the bacterial pathogen *Salmonella*
Jennifer Scheidel (Frankfurt am Main, Germany)
- P26-005 Association of circulating Adiponectin and Leptin levels with medullary thyroid cancer
Raziyeh Abooshahab (Tehran, Islamic Republic of Iran)
- P26-006 Cross talk between plants and bacteria – elucidating the role of smoke derived karrikins
Aviad Mandabi (Be'er-Sheva, Israel)

- P26-007 Don't stress out – linking bacterial quorum sensing with stress response in *Saccharomyces cerevisiae*
Antonia Delago (Be'er Sheva, Israel)
- P26-008 The regression analysis for interfacial tensiometry data of natural milk
Sergei Zaitsev (Moscow, Russian Federation)
- P26-009 Conformational epitopes of *Candida albicans* β -1,2 mannan revealed by monoclonal antibodies and their reactivity to *Salmonella choleraesuis* and *Salmonella infantis*
Cevahir Altinkaynak (Ankara, Turkey)
- P26-010 Characterization of *Listeria monocytogenes* strains isolated from food processing plants
Hana Drahovska (Bratislava, Slovakia)
- P29 Functional Networks Regulating Cellular Stress Responses and Ageing**
- P29-001-SH A cell culture comparative biology approach to study mechanisms of genomic stability and their relevance for species longevity: a newer interpretation of 53BP1 nuclear foci
Eleonora Croco (Bologna, Italy)
- P29-002-SH Redox proteomics: from one residue modification to uncovering global redox-mediated cellular processes
Dana Reichmann (Jerusalem, Israel)
- P29-003-SP A microfluidic platform for high-resolution imaging of single yeast cells with versatile environmental control
Gregor Schmidt (Basel, Switzerland)
- P29-004-SP Angiogenin-mediated cell-autonomous translational control under endoplasmic reticulum stress attenuates kidney injury
Iadh Mami (Paris, France)
- P29-005-SP The crosstalk between NF-kB-dependent and HSF1-dependent pathways in response to heat shock
Anna Naumowicz (Gliwice, Poland)
- P29-006-SP Histone methyltransferase SUV49H1 is associated with protein kinase CK2 inhibition-mediated senescence in human cancer cells
Young-Seuk Bae (Daegu, Republic of Korea)
- P29-007 Replicative senescence of budding yeast starts after only a few divisions: the roles of mitochondria
Maksim Sorokin (Moscow, Russian Federation)
- P29-008 Distinct outcomes of Charcot-Marie-Tooth (CMT)-causing point mutations in *Drosophila* small heat shock protein Hsp67Bc
Jadwiga Jablonska (Wroclaw, Poland)
- P29-009 Study of protein S-nitrosylation and its role in plant development and pathogenesis
Tereza Tichá (Olomouc, Czech Republic)
- P29-010 Estrogens down-regulate RANKL/OPG ratio and sclerostin levels in starvation-induced apoptosis in osteocytes
Vladana Domazetovic (Florence, Italy)
- P29-011 Age-related changes in antioxidant enzyme activities
Ramazan Bilgin (Adana, Turkey)
- P29-012 Induction of endoplasmic reticulum stress by sodium metabisulfite in rat liver and its attenuation by Ghrelin
Mutay Aslan (Antalya, Turkey)
- P29-013 Putative targets for extending lifespan and healthspan in mice
Georg Fuellen (Rostock, Germany)

- P29-014 Comparative proteome analysis of differentially expressed proteins in serum of *Hevea brasiliensis* from Phytophthora resistant (BPM24) and susceptible (RRIM600) clones
Phattara-Orn Havanapan (Nakhonpathom, Thailand)
- P29-015 Antioxidant effects of peptidylprolyl cis-trans isomerase from *Pyropia yezoensis* against hydrogen peroxide-induced oxidative stress in hepatocytes
Taek-Jeong Nam (Busan, Republic of Korea)
- P29-016 Role of BAG3 on the nuclear shuttling of HSF1 under heat stressed conditions
Soo-A Kim (Gyeongju, Republic of Korea)
- P29-017 Molecular mechanisms of toxin-antitoxin regulation: the deceiving simplicity
San Hadzi (Brussels, Belgium)
- P29-018 investigation of free radical metabolism in septic rat's liver tissues treated with lipopolysaccharide; effect of vitamin D
Mehmet Zahit Ciraci (Kayseri, Turkey)
- P29-019 Determining the amount of ellagic acid extracted from Ereğli (Ottoman) strawberry and histopathological evaluation of possible protective effect of ellagic acid in streptozotocin – induced diabetic rat
Meltem Atabay (Zonguldak, Turkey)
- P29-020 Alterations of creatine levels in rat brain under stress conditions long-term social isolation
George Burdjanadze (Tbilisi, Georgia)
- P29-021 Thioredoxin –an integrator parameter for pathogenic mechanisms involved in pediatric nonalcoholic fatty liver disease
Bogdana Virgolici (Bucharest, Romania)
- P29-022 The sublethal effects of etofenprox on zebrafish (*Danio rerio*)
Aylin Sepici-Dincel (Ankara, Turkey)
- P29-023 Inhibition of a protein kinase C (PKC)-phospholipase D (PLD)-protein kinase CK2 (CK2) network stimulates cellular senescence through reactive oxygen species (ROS) generation
Seong-Yeol Park (Daegu, Republic of Korea)
- P29-024 Effects of Monosodium glutamate on MDA, GSH and SOD concentrations in liver tissue of neonatal rats
Ayşen Çetin Kardesler (Denizli, Turkey)
- P29-025 Ginsenoside Rb1 rescues anxiety-like responses in a rat model of post-traumatic stress disorder
Bombi Lee (Seoul, Republic of Korea)
- P29-026 Skin fibroblast pro-fibrotic and pro-inflammatory responses to advanced glycation end products: networks contributing to age-related diseases
Loredana Stanca (Bucharest, Romania)
- P29-027 Transcriptomic study of the heat shock response mechanisms of *Asterias rubens* starfish
Anastasiya Snezhkina (Dolgoprudny, Russian Federation)
- P29-028 Analysis of the expression dynamics of 29 stress-response genes of *Drosophila melanogaster* in response to low doses radiation
Anastasiya Snezhkina (Dolgoprudny, Russian Federation)
- P29-029 Cyclic tensile stress of human annulus fibrosus cells induces MAPK activation: involvement in proliferative status and pro-inflammatory gene expression
Dimitris Kletsas (Athens, Greece)
- P29-030 The role of oxidative stress in the lung toxicity depending on alpha amanita
Ibrahim Kilinc (Konya, Turkey)
- P29-031 The role of the alternative pathway of respiration in wheat seedlings (*Triticum aestivum* L.) in the condition of inhibition of cytochrome pathway under the influence of high temperature
Anna Batjuka (Daugavpils, Latvia)

- P29-032 The effects of alpha-amanitin on oxidative stress parameters in cardiac tissue
Ibrahim Kilinc (Konya, Turkey)
- P29-033 Influence of polymorphisms Cdxll e EcoRV of vitamin D receptor on recuperation of burned patients
Sandro Conde (São Roque, Brazil)
- P29-034 Oxidative/nitrosative stress and endoplasmic reticulum stress in ischemic acute renal failure
Fadime Aydın Kose (Izmir, Turkey)
- P29-035 In vitro investigation of toxicity and specific activities of mud extracts
Elena Codrici (Bucharest, Romania)
- P29-036 Cellular rejuvenation and ageing-proteome by Ginsenoside 20(S)-Rg3
Young-Rang Kim (Deajeon, Republic of Korea)

P30 Systems Biology in Stem Cells

- P30-001-SH The tale of two tails
Ho-Ryun Chung (Berlin, Germany)
- P30-002-SH Alternative splicing in the regulation of planarian stem cells in vivo
Jordi Solana (Berlin, Germany)
- P30-003-SP Stem cells loaded nanobiohybrids for efficient chronic wounds healing
Bianca Galateanu (Bucharest, Romania)
- P30-004-SP Effect of chromium complexes with flavonoid quercetin on the adipogenic process
Bianca Galateanu (Bucharest, Romania)
- P30-005 Thin coatings based on biocompatible silver nanoparticles deposited by advanced laser processing for improved surfaces resistance to microbial biofilms
Oana Fufă (Bucharest, Romania)
- P30-006 Zinc levels in plasma of Tunisian women
Myriam Hellal (Tunis, Tunisian Republic)

P33 Channels and Transporters

- P33-001-SH First structural insights in the opening of Channelrhodopsin-2
Nils Krause (Berlin, Germany)
- P33-002-SH Evolutionary divergent lysine regulates electrostatic stoichiometric coupling and voltage dependence of the chloride/proton exchanger ClC-5
Alexi Alekov (Hannover, Germany)
- P33-007 The genome packaging motor of nucleocytoplasmic large DNA viruses
Tushar Ranjan (Mumbai, India)
- P33-008 The permeation of small inorganic ions and metabolites through VDAC is mediated by a charged-brush mechanism
Eva-Maria Krammer (Brussels, Belgium)
- P33-009 Purification of MCT8 for structure determination
Dorothea Gisela Bayer-Kusch (Bonn, Germany)
- P33-010 Endogenous calcium channels formed by Orai proteins in HEK293 cells
Anton Skopin (Saint-Petersburg, Russian Federation)
- P33-011 Insights into proton translocation in cytochrome cbb3 from large scale MD simulations
Catarina Carvalheda (Dundee, United Kingdom)
- P33-012 Regulation of epithelial chloride transport by tyrosine phosphorylation
Cláudia Loureiro (Lisbon, Portugal)

- P33-013 On one spider peptide inhibiting calcium channels of insects: structural features and activity-indispensable residues
Alexander Mikov (Moscow, Russian Federation)
- P33-014 Functional mapping of an Arginine cluster of the potassium inward rectifier channel Kir6.2 regulated by a fused G Protein Coupled Receptor
Maria Principalli (Grenoble, France)
- P33-015 Biophysical analysis of Channelrhodopsin variants
Maria Walter (Berlin, Germany)
- P33-016 Role of Sec16A in the unconventional protein secretion pathway
He Piao (Seoul, Republic of Korea)
- P33-017 Redirecting iron pathways in the ferritin nanocage
Caterina Bernacchioni (Sesto Fiorentino, Italy)
- P33-018 The effect of voltage-gated sodium channel on matrix metalloproteinase expression and activity in human breast cancer cells
Gulgun Oktay (Izmir, Turkey)
- P33-019 The diversity of light-driven proton pumps and their conversion into proton channels
Arend Vogt (Berlin, Germany)
- P33-020 Identification of gates of the potassium inward rectifier Kir6.2 channel controlled by regulatory membrane proteins
Gina Catalina Reyes Mejia (Grenoble, France)
- P33-021 Time-resolved spectroscopic characterisation of channelrhodopsin-1 from *Chlamydomonas augustae*
Vera Muders (Berlin, Germany)
- P33-022 Effect of Ca²⁺ ions on Bestrophin-1 interaction with 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine in surface films
Kirilka Mladenova (Sofia, Bulgaria)
- P33-024 A defect of paclitaxel uptake in SLCO1B3 polymorphisms
Hyung Soon Park (Seoul, Republic of Korea)
- P33-025 D-glucose and insulin regulate the activity of equilibrative nucleoside transporters in renal glomerular cells
Sebastián Alarcón (Valdivia, Chile)
- P33-026 Acidic pH effect on electrophysiological behavior of a new chloride channel in endoplasmic reticulum
Farzaneh Aslanpour (Tehran, Islamic Republic of Iran)
- P33-027 Comparison of the expression and functionality of P2X7 receptors sensitive to ATP and Bz-ATP activation at different cell lines
Agnieszka Krakowiak (Lodz, Poland)
- P33-028 Refolding of small monomeric outer membrane proteins
Tom Schwarzer (Garching, Germany)
- P33-029 The Role of Clathrin-dependent endocytosis on the surface expression of the Sodium- dependent Vitamin C transporter 2 (SVCT2)
Adriana Covarrubias Pinto (Valdivia, Chile)
- P33-030 Evolution of the potassium chloride cotransporter subfamily: functional analyses of basal metazoan
Anna-Maria Hartmann (Oldenburg, Germany)
- P33-031 Protein translocation through mitochondrial channel: Single channel electrophysiology
Usha Lamichhane (Bremen, Germany)
- P33-032 Analysis of antiproliferative and antimetastatic effects of nNav 1.5 sodium channel and Notch-4 receptor inhibition
Canan Cakir Aktas (Ankara, Turkey)

- P33-033 Optogenetic interrogation of the tissue determinants for arrhythmias by cell-type specific targeting of Channelrhodopsin-2 in the heart
Tania Zaglia (Padova, Italy)
- P33-034 VDAC activity in the presence of huntingtin proteins
Hanna Krmita (Poznań, Poland)
- P33-035 Regulation of serotonin transporter activity in animal models of peripheral inflammation – relevance to inflammation-induced depression
Jana Haase (Dublin, Ireland)
- P33-036 The sea anemone *Heteractis crispa* – a source of potential pharmacological agents
Elena Zelepuga (Vladivostok, Russian Federation)
- P33-037 Comparative analysis of Mg- dependent and Mg- independent HCO₃-ATPases
Sopio Dzneladze (Tbilisi, Georgia)
- P33-038 Novel nitrate/nitrite transporter in the *Mycobacterium gilvum* Spyr1
Eugenia Karabika (Ioannina, Greece)
- P33-039 Characterization of ATP/ADP transporters (NTT) from obligate, intracellular living bacteria
Hubert Mayerhofer (Grenoble, France)
- P33-040 In vitro function of the human liver ABC transporter MDR3 and its extended X loop mutant
Marianne Kluth (Düsseldorf, Germany)
- P33-041 Dodecylrhodamine and dodecyltriphenylphosphonium are substrates of yeast multiple drug resistance pump Pdr5p
Dmitry Knorre (Moscow, Russian Federation)

P35 Monitoring Protein Conformational Dynamics and Movement

- P35-001-SH Structural studies of the N-terminal domains of the DNA Partitioning protein IncC from the plasmid RK2
Muhammad Rehman (Birmingham, United Kingdom)
- P35-002-SH Laws of attraction and repulsion: structure and dynamics of a novel family of bacterial chemoreceptors
Anna Roujeinikova (Calyton, Australia)
- P35-003-SH Proteins in vivo: From the test tube to the cell
Simon Ebbinghaus (Bochum, Germany)
- P35-004-SH New insights of the reconstitution/activation process of the soluble glucose dehydrogenase with PQQ by combining crystallography, fluorescence quenching and stopped-flow experiments
Claire Stines-Chaumeil (Pessac, France)
- P35-005-SP Folding of right- and left-handed three-helix proteins
Oxana Galzitskaya (Pushchino, Russian Federation)
- P35-006-SP The role of surface wettability and environmental conditions in Amyloid β conformational changes
Angelo Accardo (Genova, Italy)
- P35-007-SP Photoactivation and signal transduction of Blue Light sensors Using FAD (BLUF)
Tilo Mathes (Amsterdam, Netherlands)
- P35-008-SP Investigating partially unfolded conformations populated by monomeric human transthyretin
Francesco Bemporad (Firenze, Italy)
- P35-009 T-cell immune suppression by the cytoplasmic tail of the HIV gp41 envelope protein: implications for a virus controlled T-cell on/off switch
Yoel Klug (Rehovot, Israel)

- P35-010 Allosteric regulation of human pyruvate kinase M2
Meng Yuan (Edinburgh, United Kingdom)
- P35-011 Inhibitory effect of β -casein on the amyloid fibril formation of A β 1-40 associated with Alzheimer's disease
Arezou Ghahghaei (Zahedan, Islamic Republic of Iran)
- P35-012 pH dependent conformational variations in Major Histocompatibility Complex class II (MHC II) molecules
Zeina El Habre (Berlin, Germany)
- P35-013 Dynamic interaction of the signal recognition particle receptor and the translocon
Albena Draycheva (Göttingen, Germany)
- P35-014 Inhibition of human pancreatic Islet Amyloid Polypeptide aggregation and fibril formation by the molecular chaperone Hsc70
Ali Chaari (Doha, Qatar)
- P35-015 Cation/ π interaction as the catalytic mechanism found in β -amylin synthase
Tsutomu Hoshino (Niigata, Japan)
- P35-016 Mutations in the C-terminal tail of ribosomal protein L16 from Escherichia coli are crucial for its retention in the ribosome
Artem Isaev (Pushchino, Russian Federation)
- P35-017 The influence of the cytoplasmic juxtamembrane regions on the structural and dynamical properties of HER2 dimeric transmembrane domains and their connection with the activation mechanism
Pavel Bragin (Moscow, Russian Federation)
- P35-018 The cellular crowding effect: Spatial and temporal variations of the excluded volume effect
David Gnutt (Bochum, Germany)
- P35-019 Mechanistic insights into the action of a bacterial protease inhibitor
Irene Garcia Ferrer (Barcelona, Spain)
- P35-020 Structural characterization of intrinsically disordered protein phosducin and its complex with the 14-3-3 protein
Dalibor Kosek (Prague, Czech Republic)
- P35-021 Structural study of Whirlin, a crucial PDZ containing protein involved in the mechanotransduction of auditory hair cells
Florent Delhommel (Paris, France)
- P35-022 Experimental and theoretical methods as a tool for the interpretation of lysozyme immobilization at a silica surface
Monika Cwięka (Cracow, Poland)
- P35-023 Structural Insights into a novel esterase
Sangkee Rhee (Seoul, Republic of Korea)
- P35-024 Molecular dynamics of Mycobacterium tuberculosis tyrosyl-tRNA synthetase with different substrates in the active site
Vasyl Mykuliak (Kyiv, Ukraine)
- P35-025 Generation and application of high-productive diagnostic system for detection of serum level of interferon- α
Oksana Gorbatiuk (Kyiv, Ukraine)
- P35-026 Revealing adsorption mechanism of human fibrinogen on positively charged latex
Paulina Żeliszewska (Cracow, Poland)
- P35-027 Secondary structure and calcium binding properties of C1q-like domain of otolin-1
Rafal Holubowicz (Wroclaw, Poland)
- P35-028 3D-structure and dynamics of cobra cardiotoxins: NMR and MD analyses
Peter Dubovskii (Moscow, Russian Federation)

- P35-029 Functional domains of lamin B receptor: Structure, dynamics and interactions
Anastasia Politou (Ioannina, Greece)
- P35-030 Studying allosteric transitions of the pentameric ligand-gated ion channel GLIC using site-directed fluorescence
Anais Menny (Paris, France)
- P35-031 Mass spectrometry contribution to NMR protein structure characterization
Eliška Pospíšilová (Prague, Czech Republic)
- P35-032 Stabilization of one domain of protein Gao by introduction of a cysteine bridge
Galina Nagibina (Pushchino, Russian Federation)
- P35-033 Importance of salt bridges in the dimer interface of Tpv sHSP14.3 for oligomere assembly and chaperone function
Semra Kocabiyik (Ankara, Turkey)
- P35-034 Molecular dynamics simulations of peptides containing charged aminoacid-repeats derived from intrinsically disordered protein sequences
Metaxia Vlasi (Agia Paraskevi-Attikis, Athens, Greece)
- P35-035 Conformational dynamics of GW182 silencing domain and CNOT1 fragment as monitored by hydrogen-deuterium exchange mass spectrometry
Maja Cieplak-Rotowska (Warsaw, Poland)
- P35-036 The LINK to regulating lysine levels in wheat
Campbell Hogan (Melbourne, Australia)
- P35-037 The structural basis of the TIP49a/b dodecamerization
Arina Afanasyeva (Saint Petersburg, Russian Federation)
- P35-038 Isolation of 10kDa and 24 kDa fragments of fibrinogen α C-region and usage them as antigens for antibodies production to design test systems for soluble fibrin quantification
Artem Dubovetskyi (Kyiv, Ukraine)
- P35-039 The effects of α -tropomyosin Arg245Gly and Glu241Leu mutants on the structural states of actomyosin during the ATPase cycle
Armen Simonyan (Saint Petersburg, Russian Federation)
- P35-040 Interactions of Banana Lectin with Man9, toward design of the enhanced HIV-1 entry inhibitors – in silico study
Marija Gavrovic-Jankulovic (Belgrade, Serbia)
- P35-041 Understanding the catalytic mechanism of Human serum paraoxonase 1-Combined mutagenesis and Molecular dynamics study
Geetika Aggarwal (Mohali, India)
- P35-042 Fusion of purple membranes with lipidic cubic phase
Egor Zinovev (Dolgoprudny, Russian Federation)
- P35-043 Identification and functional significance of DNAJA1 as a novel interacting partner of human transglutaminase 2
Elvan Ergulen (Debrecen, Hungary)
- P35-044 Cysteine-depleted ghrelin receptor: a tool for ligand-binding investigations
Stefan Ernicke (Leipzig, Germany)
- P35-045 TIP49a protein forms active rod-like structures in solution
Arina Afanasyeva (Saint Petersburg, Russian Federation)
- P35-046 Human fibrinogen monolayers under aqueous conditions
Paulina Żeliszewska (Cracow, Poland)
- P35-047 Active site dynamics of flavin-dependent methylases
Pierre Sournia (Palaiseau, France)
- P35-048 Spectroscopic studies on the structural changes in Human Serum Albumin upon 3-Hydroxyflavone binding immobilized on Silver Nanoparticles
Mariana Voicescu (Bucharest, Romania)

- P35-049 Molecular dynamics studies of the phosphopantetheine adenylyltransferase from *Mycobacterium tuberculosis* conformational changes upon ATP binding
Vladimir Timofeev (Moscow, Russian Federation)
- P35-050 QM prediction for creating a mutated antibody with desired catalytic specificity towards organophosphorus toxins
Anastasiia Stepanova (Moscow, Russian Federation)
- P35-051 Localization of plasminogen-binding site in fibrin fragment DD
Tetiana Yatsenko (Kyiv, Ukraine)
- P35-052 Structural investigation of HECT-type Ub ligase intermediates by NMR spectroscopy and X-ray crystallography
Magnus Jäckel (Tübingen, Germany)
- P35-053 Preparation and characterization of novel fluoromagnetic nanoparticles containing ligand-switching UnaG protein
Aleksei Solomonov (Ivanovo, Russian Federation)
- P35-054 Mechanistic insights into OTU deubiquitinase specificity
Tycho Mevissen (Cambridge, United Kingdom)
- P35-055 Flagellar subunits as targets for structure-based epitope discovery approaches and melioidosis vaccine development
Martino Bolognesi (Milano, Italy)
- P35-056 Crystallization and three-dimensional structure determination of phosphorybosylpyrophosphate synthetase from *E. coli*
Inna Kuranova (Moscow, Russian Federation)
- P35-057 Understanding the unique mechanistic and cellular roles of Atlastin isoforms
John O'Donnell (Ithaca, United States of America)
- P35-058 Maltose binding protein in a molten globule and in the native state
Benjamin Selmke (Kaiserslautern, Germany)
- P35-059 Thermal effect of rosin modified bio-compatible surfactants on human serum albumin conformation
Mohd Ishtikhar (Aligarh, India)
- P35-060 Structural and mutational studies of poly(3-hydroxybutyrate) depolymerase from *Bacillus thuringiensis*
Shwu-Huey Liaw (Taipei, Republic of China)
- P36 Advances in Structural Biology – from Subcellular to Molecular Resolution**
- P36-001-SH Atom resolution structure of non-crystalline membrane proteins in lipid bilayers by magic-angle spinning nuclear magnetic resonance
Loren Andreas (Villeurbanne, France)
- P36-002-SH Structure of the bacteriophage phi6 nucleocapsid solved to 3.9 Å resolution using electron cryomicroscopy
Zhaoyang Sun (Oxford, United Kingdom)
- P36-003-SP Preventing oxidative damage at the early phase: The case of glucose oxidase
Dušan Petrović (Belgrade, Serbia)
- P36-004-SP Structure of α -synuclein in human cells: a disordered monomer
François-Xavier Theillet (Berlin, Germany)
- P36-005-SP The absolute arrangement of subunits in cytoskeletal septin filaments in cells measured by fluorescence microscopy
Helge Ewers (Berlin, Germany)
- P36-006-SP Single-particle FRET analysis of nucleosome structure during transcription with RNA polymerase: experimental systems and methodology
Alexey Feofanov (Moscow, Russian Federation)
- P36-007 Aneuploidy of urethane in mouse bone marrow cells and potential recovery with lupin water extract
Ezzat Aboul-Ela (Cairo, Egypt)

- P36-008 Light harvesting of bacteriorhodopsin and bacterial reaction center in generating electrochemical energy efficiency
Bernadine Ang (Bethesda, United States of America)
- P36-009 Nanoscale structure of the BMP antagonist chordin supports cooperative BMP binding
Helen Troilo (Manchester, United Kingdom)
- P36-010 Binding site for mRNA on the γ -subunit of archaeal translation initiation factor 2
Valentina Arkhipova (Pushchino, Russian Federation)
- P36-011 Investigation of RNA-binding properties and oligomerization behavior of Sm-like archaeal proteins
Natalia Lekontseva (Pushchino, Russian Federation)
- P36-012 Structural and functional characterization of the mouse inhibitory C-type lectin-like receptor
Lucie Hemychová (Prague, Czech Republic)
- P36-013 Regulation of mitochondria beta oxidation by non-enzymatic post-translational modifications
Bárbara Henriques (Lisboa, Portugal)
- P36-014 The Red Sea brine pools as source for enzymes of scientific and biotechnological interest on the example of a novel Mn²⁺ dependent alcohol dehydrogenase
Stefan Grötzinger (Garching, Germany)
- P36-015 Crystal structure of the first bacterial diterpene cyclase and structure-based engineering of plasticity residues
Ronja Janke (Berlin, Germany)
- P36-016 ParmBSC1: State-of-the-art force-field for DNA simulation
Ivan Ivani (Barcelona, Spain)
- P36-017 Structural and biochemical studies of a bacterial FIC toxin that hijacks human cellular traffic
Simon Veyron (Cachan, France)
- P36-018 Recombinant DMP1 protein fragment expressed in *E. coli* influences the in vitro crystalization of CaCo₃
Aleksandra Porebska (Wroclaw, Poland)
- P36-019 Impact of disease-causing mutations on emerin architecture at the inner nuclear envelope
Sophie Zinn-Justin (Gif-sur-Yvette cedex, France)
- P36-020 Characterization of holliday junction intermediates in the vibrio cholerae Int4 integrase site specific recombination reaction
Mounira Tiouajni (Paris, France)
- P36-021 Zinc-induced dimerization interface of the beta-amyloid metal-binding domain 1-16
Alexandra Kulikova (Moscow, Russian Federation)
- P36-022 The histology and the cytology of the Brown Adipose Tissue of the *Dryomys laniger* (Felten & Storch, 1968) (MAMMALIA: RODENTIA) in Hibernation
AYDIN Özlük (Çorum, Turkey)
- P36-023 DNA aptamers for malaria diagnosis – from crystal structure to clinical application
Julian Tanner (Hong Kong, People's Republic of China)
- P36-024 Effect of different types of mutations on the stability of the molten globule state of apomyoglobin
Bogdan Melnik (Pushchino, Russian Federation)
- P36-025 Importance of Volumetric data of the human brain structure in a PTEN mutation positive Bannayan-Riley-Ruvalcaba Syndrome: A methodological analysis
Yasemin Soysal (Izmir, Turkey)

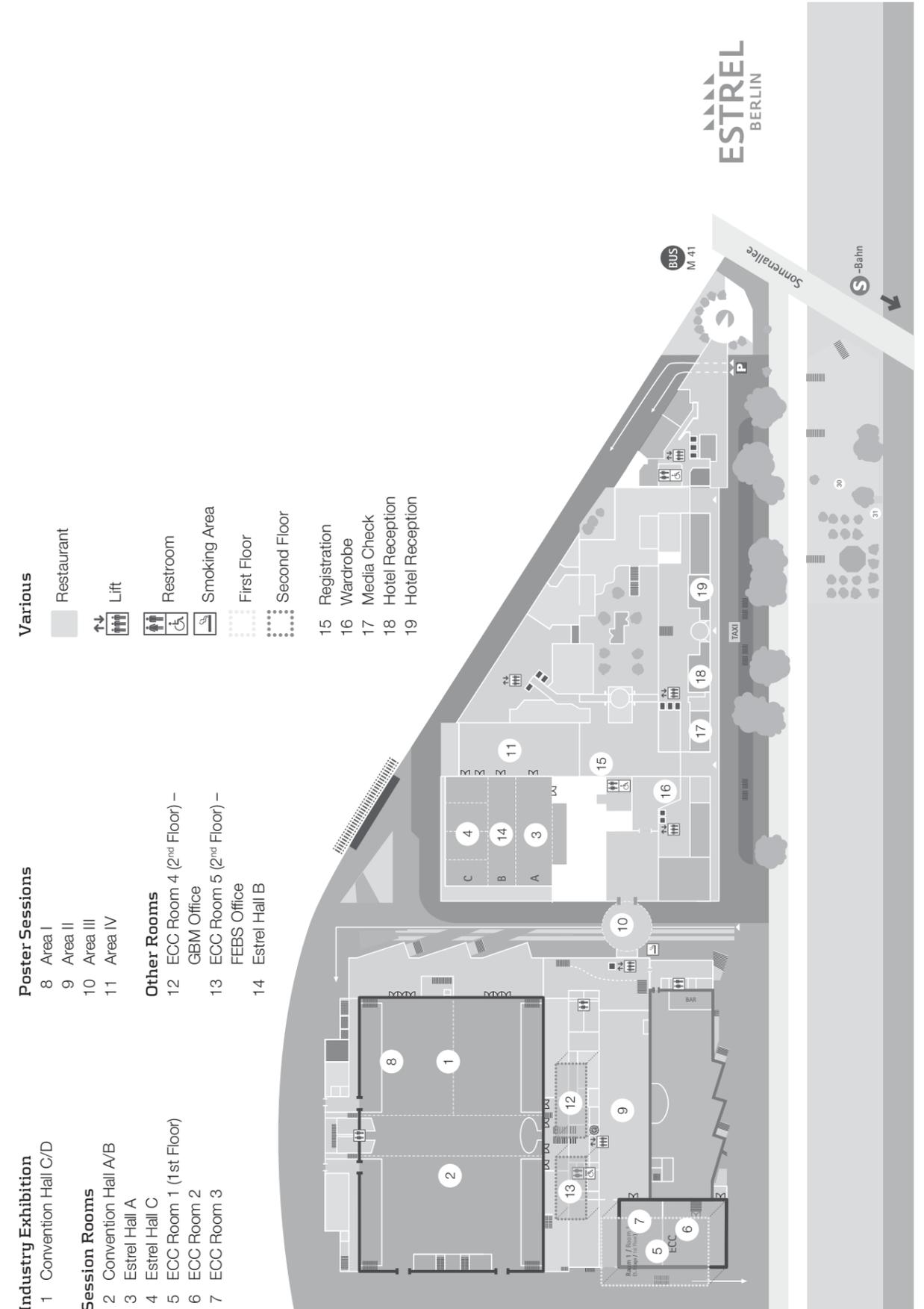
- P36-026 Cell-free expression and functional characterization of G protein-coupled receptors in distinct artificial environments
Ralf-Bernhardt Rues (Frankfurt/Main, Germany)
- P36-027 The pH-modulation of protein-nucleic acid interfaces is analyzed by a non-invasive NMR method based on histidine imidazoles
Irene Diaz-Moreno (Seville, Spain)
- P36-028 Multiple pleomorphic tetramers of pore-forming thermostable direct hemolysin from *Grimontia hollisiae* in exerting hemolysis and membrane binding
Tung-Kung Wu (Hsin-Chu, Republic of China)
- P36-029 Physiological impact of Brain Volume Differences on Temporal Lobe Epilepsy in Human
Sevda Lafci (Mersin, Turkey)
- P36-030 Edge strands and indents of β -sheets: A comparative analysis of sequence and structural features
Harshavardhan Khare (Bengaluru, India)
- P36-031 Comparative analysis of cell wall composition in chilling-treated leaves of C4 grasses: maize (*Zea mays* L.) and *Miscanthus × giganteus*
Anna Biliska-Kos (Werynia, Poland)
- P36-032 Structural study of yeast alcohol dehydrogenase in imidazolium based ionic liquids
Raheleh Jahanbani (Tehran, Islamic Republic of Iran)
- P36-033 New aspects on the structure of small kinetochore-associated protein/kinastrin
Anita Cindric Vranesic (Jena, Germany)
- P36-034 Structure/activity relationships of negatively charged peptide nucleic acid oligomers
Mariia Tankevich (Moscow, Russian Federation)
- P36-035 Inhibitory effects of ethacrynic acid on glutathione S-transferase A1-1 from *Callithrix jacchus*
Nese Hayat Aksoy (Aksaray, Turkey)
- P36-036 Analysis of protein aggregate content at extreme concentrations using Analytical Ultracentrifugation with a novel interference optics
Frank Krause (Potsdam, Germany)
- P36-037 Purification and characterisation of polyphenoloxidase from corn tassel
Reyhan Guven (Diyarbakir, Turkey)
- P36-038 High-resolution atomic force microscopy of G-quadruplexes
Anna Protopopova (Moscow, Russian Federation)
- P36-039 Characterization of polyphenoloxidase from pepper seed
Reyhan Gul Guven (Diyarbakir, Turkey)
- P36-040 rs7743761 associated with disease risk of ankylosing spondylitis in Turkish population
EKREM Akbulut (Istanbul, Turkey)
- P36-041 Association analysis between Endoplasmic Reticulum Aminopeptidase 1 (ERAP1) Polymorphism with ankylosing spondylitis disease risk in Turkish population
EKREM Akbulut (Istanbul, Turkey)
- P36-042 Method selection for protein extraction from FFPE tissues in the proteomics studies
Ibrahim Kilinc (Konya, Turkey)
- P36-043 Spin-labeled oligonucleotides – useful tool for the structural biology
George Shevelev (Novosibirsk, Russian Federation)
- P36-044 Quantitative adsorption of IgG on colloidal particles as a new method for preparation of low-cost immunoassays
Kamila Sofińska (Cracow, Poland)

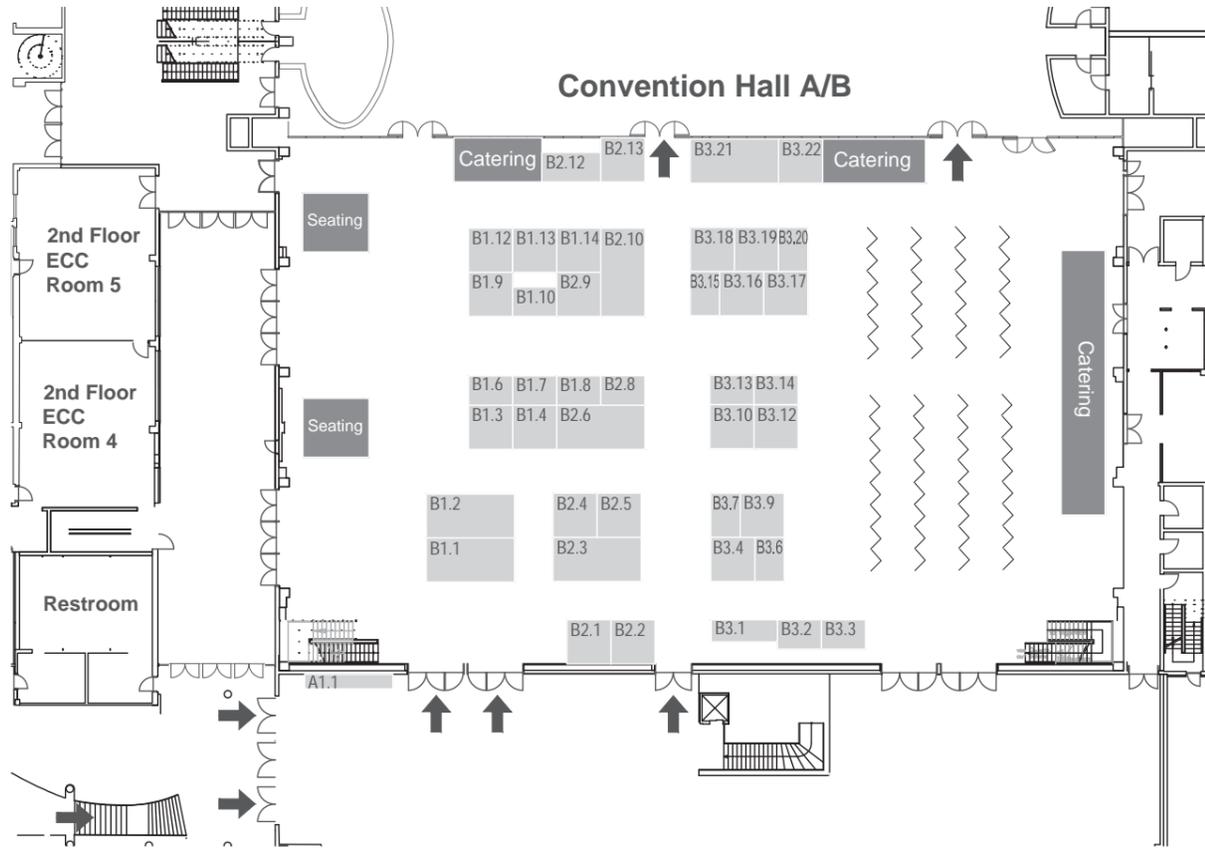
- P36-045 Antioxidant properties of Edremit variety green olives (*Olea europea* L.)
Elif Savas (Balikesir, Turkey)
- P36-046 Treatment of the olive β -glycosidase bound superparamagnetic nanoparticles onto green table olives
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- P36-047 New insights into the interaction between IQGAP1 and Rho family proteins
Kazem Nouri (Düsseldorf, Germany)
- P36-048 Structome analysis based on direct enumeration of virulent *Mycobacterium tuberculosis* with TEM examination of serial ultrathin sections
Hiroyuki Yamada (Tokyo, Japan)
- P36-049 Enzymatic Epoxidation of non-activated Alkanes: Unravelling the mechanism of an uncommon CH-activation
Conrad Fischer (Edmonton, Canada)
- P36-050 Software-independent display of structural features in biomolecules
Angel Herráez (Alcalá de Henares, Spain)
- P36-051 Ubiquitin chain elongation by HECT-type ligases
Silke Wiesner (Tübingen, Germany)
- P36-052 Combination of the yeast surface display and microfluidic approach to develop high-throughput platform for biocatalysts screening
Yuliana Mokrushina (Moscow, Russian Federation)
- P36-053 Intermediate filament structure, assembly and nanomechanics
Harald Herrmann (Heidelberg, Germany)
- P36-054 Structural and functional analysis of the Vitamin D receptor – DNA interactions
Viktória Prantner (Kuopio, Finland)

P38 Education & Training

- P38-001 A special study module in medical education: A model of scleroderma induced by bleomycin
Ayşe Koçak (Izmir, Turkey)
- P38-002 The effect of garlic (*Allium Sativum*) on lipid profile in rabbits
Sammydavies Osagie-Eweka (Benin, Nigeria)
- P38-003 Blood-antioxidant status could be used as inclusion criteria for selecting volunteers for clinical trial of antioxidant supplement
Yamini Tripathi (Varanasi, India)
- P38-004 Voluntary student research groups in medical education: Teaching teamwork
Handan Tuncel (Istanbul, Turkey)
- P38-005 Effective teaching and learning of biochemistry and molecular life sciences with action-oriented and e-learning approaches vs. instructor-dominated lecture methods
Aylin Sepici-Dincel (Ankara, Turkey)
- P38-006 False citations, false eponyms, history distortions – exemplified by the case of Michaelis and Menten
Peter Kühl (Basel, Switzerland)
- P38-007 Developing scientific writing and integrating feedback for undergraduate biomedical students through mimicking the professional journal article review process
Julian Tanner (Hong Kong, People's Republic of China)
- P38-008 In silico column chromatography of protein mixtures as a learning tool
Angel Herráez (Alcalá de Henares, Spain)
- P38-009 Microsatellite variability of Y-chromosome C-haplogroup of Kazakhs
Yeldar Ashirbekov (Almaty, Kazakhstan)

- P38-010 Maintaining the quality of experimental results when analyzing the expression of gene expression in the hypoxic microenvironment in human brain cancer in vitro
Harun Said (Izmir, Turkey)
- P38-011 Development of laboratory resource materials on RNA and gene expression experiments for beginners and non-molecular biology researchers
Bilge Kocayigit (Ankara, Turkey)
- P38-012 Promoting and assessment of biochemistry laboratory education to national qualifications levels by referencing to EQF; comparing with other countries
Aylin Sepici-Dincel (Ankara, Turkey)
- P38-013 Innovative approaches in the biochemistry courses for student education in veterinary medicine, zootechnology and biology
Sergei Zaitsev (Moscow, Russian Federation)
- P38-014 The effect of Helicobacter Pylori on serum lipid profile
Murat Kocabiyik (Ankara, Turkey)
- P38-015 Modern biotechnologies' products & ethical issues
Meltem Atabay (Zonguldak, Turkey)
- P38-016 Modern scientific education for postmodern subjects: bioinformatics
Claudia Rubiano (Bogota, Colombia)
- P38-017 GROM: Parameter and coordinate file editor for GROMACS
Hovakim Grabski (Yerevan, Armenia)
- P38-018 Effects of endurance training on the serum levels of tumour necrosis factor- α and interferon- γ in sedentary men
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-019 Molecular epidemiology and clinical importance of TT virus infection in haemodialysis patients, South of Iran
Akbar Kazemi (Jahrom, Islamic Republic of Iran)
- P38-020 Antiphosphatidic acid antibodies in patients with myocardial infarction
Manoochehr Shabani Kordshooli (Jahrom, Islamic Republic of Iran)
- P38-021 HTLV-I prevalence in β -thalassemia children in Jahrom, Iran
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-022 Human T-Lymphotropic virus type I/II virus among blood donors: South of Iran
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-023 Association of anti-phosphatidylcholines antibodies with acute myocardial infarction
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-024 Transfusion transmitted virus in beta thalassemia children
Manoochehr Shabani Kordshooli (Jahrom, Islamic Republic of Iran)
- P38-025 Insulin resistance and serum levels of interleukin-17 and interleukin-18 in normal pregnancy
Akbar Kazemi (Jahrom, Islamic Republic of Iran)
- P38-026 Hepatitis E virus and serum level aminotransferases in blood donors
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-027 Prevalence of prediabetes and its association to cardiovascular risk factors
Abdolreza Sotoodeh Jahromi (Jahrom, Islamic Republic of Iran)
- P38-028 Improving biotech education through gamified laboratory simulations
Mads Bonde (Copenhagen, Denmark)





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Saturday, July 4, 2015	4:00 PM–10:00 PM
Sunday, July 5, 2015	10:30 AM–5:30 PM
Monday, July 6, 2015	10:30 AM–5:30 PM
Tuesday, July 7, 2015	10:30 AM–5:30 PM
Wednesday, July 8, 2015	10:30 AM–5:30 PM

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- Elena Conti, Germany, Theodor Bücher Lecturer
- Seppo Meri, Finland
- Roel Nusse, USA, IUBMB Lecturer
- Jacques Pouyssegur, France, EMBO Lecturer
- Kari Stefansson, Iceland, Sir Hans Krebs Lecturer
- Anthony P. F. Turner, Sweden, Datta Lecturer
- Kamil Uğurbil, USA
- Bianca Zingales, Brazil, PABMB Lecturer

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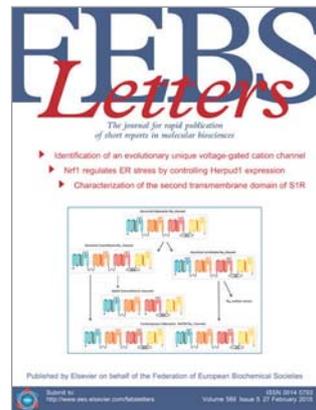
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