



Gesellschaft für Biochemie
und Molekularbiologie

GBM Fall Meeting -

Molecular Life Sciences 2007

September 16 - 19, 2007
Universität Hamburg



Programme

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Prof. Dr. Felix Wieland (2. Vizepräsident)
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Prof. Dr. Hartmut Follmann (Schatzmeister)

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Liebe Tagungsgäste,

die Lebenswissenschaften werden nicht nur in Hamburg eine zentrale Forschungsdisziplin des 21. Jahrhunderts sein. In den zurückliegenden Jahrzehnten haben Wissenschaftler die Bausteine und viele Einzelfunktionen des Lebens identifiziert und beschrieben – jetzt geht die Fachwelt daran, das komplexe Zusammenspiel dieser Bausteine zu ergründen.



Die molekularen Abläufe in Zellen und Organismen zu verstehen, ist nicht nur eine faszinierende wissenschaftliche Herausforderung für Chemiker, Mediziner, Biologen und Bioinformatiker. Das Verständnis der Zusammenhänge bietet zugleich für uns alle neue Möglichkeiten: Erkenntnisse über die Entstehung von Krebs, über die Ursachen von Erkrankungen wie Alzheimer, über Stoffwechselstörungen, über die Mechanismen, mit denen Viren oder Bakterien in unseren Körper eindringen, könnten einer Medizin der Zukunft den Schlüssel zu neuen, gezielteren Therapien liefern.

Die Suche nach diesen Erkenntnissen führt Sie, die Wissenschaftlerinnen und Wissenschaftler der GBM und Ihre Gäste nach Hamburg. Ich freue mich, dass Sie für Ihre Tagung „Molecular Life Sciences“ unsere Stadt gewählt haben. Die Life Sciences sind in Hamburg seit vielen Jahren zu Hause. Der Senat ist sich der Potentiale der Lebenswissenschaften für Forschung, Wachstum und Beschäftigung bewusst und fördert diesen Bereich seit 2004 gemeinsam mit dem Nachbarland Schleswig-Holstein gezielt als einen von sechs Hamburger Wissenschafts- und Wirtschaftclustern.

Heute ist Hamburg mit Forschungseinrichtungen von Weltrang gerade in den molekularen Feldern der Lebenswissenschaften ganz vorne mit dabei. Beispiele dafür bieten unter anderem das Bernhard-Nocht-Institut für Tropenmedizin, das Heinrich-Pette-Institut und die biowissenschaftlichen Einrichtungen des Deutschen Elektronensynchrotrons DESY. Zu dieser Liste zählen selbstverständlich auch die zahlreichen lebenswissenschaftlich forschenden Institute der Universität Hamburg und des Universitätsklinikums Hamburg-Eppendorf – die Einrichtungen, die als Gastgeber zu dieser Tagung geladen haben.

Ich wünsche Ihnen für Ihre Tagung einen spannenden fachlichen Austausch, Gelegenheit zu vielen wertvollen Kontakten und einen angenehmen Aufenthalt in Hamburg. Nicht zuletzt wünsche ich den teilnehmenden Schülerinnen und Schülern am parallel stattfindenden Kongress zur Faszination der Biowissenschaften viel Erfolg beim Experimentieren und einen interessanten Eindruck von den vielfältigen Chancen dieses Wissenschaftsfelds.

Jörg Dräger, Ph.D. (Cornell U.)
Senator für Wissenschaft und Forschung der Stadt Hamburg

Scientific board

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Tino Apel	GBM Geschäftsstelle
Sylvia Beynio	Universitätsklinikum Hamburg-Eppendorf
Manfred Braun	GBM Geschäftsstelle
Gabriele Holz	GBM Geschäftsstelle
Jörg Maxton-Küchenmeister	Heinrich-Pette Institut für Exp. Virologie
Daniela Otto	Universität Hamburg
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Organization of the Industrial Exhibition

KONGRESS- UND KULTURMANAGEMENT GMBH
... erfolgreiche Tagungen und Kongresse



René Thäsler | Roberto Keßler
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For information and help concerning the industrial exhibition, commercial workshops, sponsoring and advertising, please contact René Thäsler (03643-2468114, also during the conference).

Acknowledgements

The meeting was organised in collaboration between the local Scientific Board, the Organizing Committee and the Steering Committee of the GBM. We would like to thank **A. Rennenberg**, Bernhard-Nocht-Institut, for the conference poster design; **M. Meyer**, University Hamburg, for technical support; **E. Aue**, Universität Hamburg Marketing GMBH, for access to conference rooms and technical facilities. Special thanks to **S. Beynio** and **D. Otto** of the Organizing Committee who have made numerous contributions to every task of the conference preparation.

Meeting Location

The meeting will be held at the Universität Hamburg, Main Building and West Wing Edmund-Siemers-Allee 1, D-20251 Hamburg. Please see page 31 ff. for maps and public transportation.

Registration / Conference Office

The conference office will be open

Sunday	16:00 – 18:30
Monday & Tuesday	08:30 – 17:00
Wednesday	08:30 – 13:00

Tel +49 (0)40 - 428386565 / Fax +49 (0)40 - 428387575

Registration fees at the desk (the whole meeting / one day only) :

Euro 210,- / 180,-	for Mitglieder / Members of GBM, DECHEMA, DGZ, VAAM
Euro 50,- / 40,-	for Jungmitglieder / Junior members (unter / below 32)
Euro 285,- / 255,-	for Nichtmitglieder / Non-members
Euro 75,- / 65,-	for studentische Nichtmitglieder / Student non-members (unter / below 32)

Be available during the conference

During the conference participants may be contacted by phone or fax located at the conference registration desk at the following numbers:

Phone: +49 (0)40 - 428386565

FAX: +49 (0)40 - 428387575

Email and internet connections will be provided during the conference. There are wireless LAN access points in the buildings. Please ask at the registration desk for getting access information.

Scientific Office

Prof. Dr. Georg W. Mayr

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During the conference, the scientific office is not busy. Please contact the conference office instead.

GBM Office

The GBM staff, Tino Apel, Gabriele Holz and Manfred Braun, will offer general information and printed material about the GBM at the conference office.

For further information see **www.gbm-online.de** or contact our head office after the meeting:

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Poster Mounting

Please keep posters mounted throughout the meeting.

Poster sessions will be held on Monday and Tuesday following lunch time. During this time the presenting authors are requested to be at their posters.

The assigned poster number as listed in the abstract booklet corresponds to the number on the poster board.

Get together



Sunday, September 16, 20:00, University Hamburg, Main Building, Foyer. You are invited by norgenta GmbH, North German Life Science Agency, Hamburg.

Social Event

Our Social Event will take place in the Zoological Museum/Zoologische Sammlung of the University Hamburg on Tuesday, September 18, 19.00. The Zoological Collection is about 400 metres away from the meeting place. Please find a map on page 31.

Please remember to register for the social event on the meeting homepage

<http://www.gbm-online.de/Tagungen/Herbsttagung/2007Hamburg/>

until September, 6.

Sunday, September 16

16:00	Start of registration
18:00	Opening / Welcome Address / Eröffnung (in German)
	Award / Vergabe des Kommunikationspreises der GBM
	Öffentlicher Abendvortrag / Public Plenary Lecture: Ernst T. Rietschel
20:00	Get Together (sponsored by norgenta GmbH, North German Life Science Agency)

Monday, September 17

9:00	Ion Channels A	Proteomics A	Supramolecular complexes	Nuclear structure and chromatin remodelling
11:00	Award Lecture Warburg-Medal: Robert Weinberg			
12:00	Award Lecture Karl Lohmann Prize: Monika M. Golas			
12:20	Award Lecture Young Investigator Award of the Schering Foundation: Nils Wiedemann			
13:00				AK Studierende: “Meet the Prof” (R. Weinberg, P. Cramer)
13:30		Industrial Luncheon Symposium: febit biotech gmbh- New Advances in Microarray Technology		
14:00	Poster Session I			
15:15	Posttranslational modification: Ubiquitin & SUMO A	Cell biology of host-pathogen interaction	Regulation by small RNAs A	Directed manipulation of signalling systems A
17:00	Plenary Lecture: Hans Bos			
18:00	Editorial Board “Biological Chemistry”		Study Group “Biophysical Chemistry”	

Tuesday, September 18

9:00	Award Lecture: Fritz Lipmann Lecture: Timothy J. Richmond			
10:30	Ion channels B	Axonal transport and neurodegenerative disease	Cytokine signalling in inflammation and cancer	Nuclear transport and signalling
12:00	Short presentations			
13:30			Industrial Luncheon Symposium: Norgenta GmbH-Academic Professional Drug Discovery and Development	
14:00	Poster Session I			
15:15	Posttranslational modification: Ubiquitin & SUMO B	Proteomics B	Regulation by small RNAs B	Pathology of protein biogenesis at the ER
17:00	Award Lecture Altana Promotionspreis: Ute Kothe			
17:20	Plenary Lecture: Stefan Hell			
19:00	Social Event			

Wednesday, September 19

9:00	Plenary Lecture: Andreas Plückthun			
10:30	Directed manipulation of signalling systems B	Concerted actions in glucose and lipid metabolism	Glycostructures	Protein folding
12:00	Plenary Lecture: Jorge E. Galan			
12:50	Presentation Poster Awards & Closing Remarks			

Satellites

Sept., 14 - 15	Annual Meeting of the GBM Study-Group Neurochemistry “Molecular pathways in health and disease of the nervous system”
Sept., 15 - 16	Workshop „How to write a successful FP7 proposal”

Sunday, September 16

16:00	Start of registration	HS B
18:00	Opening / Welcome Address / Eröffnung (in German) Ulrich Hahn & Georg W. Mayr (Vorsitzende des Programmkomitees/Chairs of the Scientific Board)	HS B
	Award / Vergabe des „Kommunikationspreises der GBM“: Iris Eisenbeiser, Arntraud Meyer Vorsitz: A. Wittinghofer	HS B
	Öffentlicher Abendvortrag / Public Plenary Lecture: Ernst T. Rietschel Biochemie und Molekularbiologie der Blutvergiftung Vorsitz: U.Hahn / G. W. Mayr	HS B
20:00	Get Together & Opening of Industrial Exhibition Mit freundlicher Unterstützung der norgenta GmbH, Hamburg	Foyer

Monday, September 17

9:00	Industrial Exhibition			
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9:00 - 10:15	Ion Channels A	Proteomics A	Supramolecular complexes	Nuclear structure and chromatin remodelling
Chair	A. Guse/O. Pongs	H. Meyer/ A. Sickmann	R. Hilgenfeld/ M. Wilmanns	T. Dobner/H. Will
	Hall C	Hall J	Room 221	Room 121
9:00	Hon Cheung Lee Structure and Function of a Calcium Signalling Enzyme - CD38	Kris Gevaert Protein modifications targetable by diagonal chromatography	Patrick Cramer Molecular bioimaging of gene transcription	Thomas Cremer Chromosome territories and nuclear organization: structural, functional and evolutionary aspects
9:30	Andreas H Guse A role for NAADP in mouse cardiac myocyte calcium signaling?	Daniel Kessler A mitochondrial targeting peptide specific to Great Apes is responsible for the differential subcellular localization of human Parvulins	Caroline Autenrieth Supramolecular complex assembly and function of the reaction centre-light-harvesting I photounit in bacterial photosynthetic membranes: what role do the Puh proteins play?	Klaus D. Grasser Nuclear localisation and dynamics of chromatin-associated HMG proteins
9:45	Peter Lipp The role of the InsP3-receptor for cellular signalling in physiology and pathophysiology	Reinhard Jahn The proteome of synaptic vesicles – lessons from cell biology	Wolf-Dieter Schubert Listeriosis - from structural biology to mouse model	Peter B. Becker ATP-dependent chromatin dynamics

10:15	Coffee Break			
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11:00	Award of the Otto-Warburg-Medal: Robert Weinberg Mechanisms of Cancer Cell Invasion and Metastasis Laudatio: A. Wittinghofer (GBM President)			HS B
12:00	Award Lecture: Karl Lohmann Prize: Monika M. Golas Structural Insights into a Core Component of the pre-mRNA Splicing Machinery Chair: A. Wittinghofer			HS B
12:20	Award Lecture: Young Investigator Award of the Schering Foundation: Nils Wiedemann Biogenesis of beta-barrel proteins: identification of the sorting and assembly machinery of the mitochondrial outer membrane Chair: A. Wittinghofer			HS B

Monday, September 17

13:00			AK Studierende:
13:30		Industrial Luncheon Symposium:	"Meet the Prof" (R. Weinberg, P. Cramer)
14:00	Poster Session I	New Advances in Microarray Technology febit biotech gmbh	
		Room 121	Room 222

15:15 - 16:30	Posttranslational modification: Ubiquitin & SUMO A	Cell biology of host-pathogen interaction	Regulation by small RNAs A	Directed manipulation of signalling systems A
Chair	H. Rudolph/D. Heinz	B. Fleischer/ J. Hauber	Ch. Hammann	R. Frank/ K. Friedrich
	Hall C	Hall J	Room 221	Room 121
15:15	Michael Groll Diversity of proteasomal missions: fine tuning of the immune response	Urs Greber Host requirements for infectious virus entry	Elisa Izaurralde Mechanisms of miRNA-mediated gene silencing	Henrik Daub Analysis of protein kinases by quantitative chemical proteomics
15:45	Harald Wolfgang Platta Ubiquitination of the cycling peroxisomal import receptor Pex5p is required for its export.	Silja Wessler Successive phosphorylation of the pathogenic factor CagA of Helicobacter pylori by Src and c-Abl kinases is necessary for epithelial cell migration	Sven Diederichs Dual role for Argonaute proteins in microRNA processing and regulation	Ulrich Sydlik Nanoparticle-generated reactive oxygen species: apoptotic and proliferative signaling pathways
16:00	Mark Hochstrasser SUMO and ubiquitin transactions at the ER and nuclear envelope	Peter Sebo Bordetella adenylate cyclase toxin signaling: Paralyzing the phagocyte	Raymond Kaempfer RNA sensors of stress signaling in the immune system	Daniel Rauh Structure guided Development of Functional Probes for Protein Kinases using Chemical Genetics

16:15	Coffee Break
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17:00	Plenary Lecture: Hans Bos The Rap1 signalling network in cell adhesion Chair: U.Hahn / G. W. Mayr	HS B
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18:00	Editorial Board Meeting "Biological Chemistry"	Informal meeting of the GBM-Studygroup "Biophysical Chemistry"
	Room 122	Room 121

Tuesday, September 18

9:00	Industrial Exhibition			
9:00	Award Lecture: Fritz Lipmann Lecture: Timothy Richmond Visualization of Chromatin Structure at High Resolution Chair: A. Wittinghofer			HS B
10:00	Coffee Break			
10:30 - 11:45	Ion Channels B	Axonal transport and neurodegenerative disease	Cytokine signalling in inflammation and cancer	Nuclear transport and signalling
Chair	A. Guse/O. Pongs	E. Mandelkow/ E.M. Mandelkow	S. Rose-John/ C. Stocking	W. Deppert/ J. Hauber
	Hall C	Hall J	Room 221	Room 121
10:30	Marc Baldus Structural analysis of potassium-channel-ligand complexes	Erika Holzbaur Function and Dysfunction of the Microtubule Motor Cytoplasmic Dynein/Dynactin in Axonal Transport	Simon A. Jones Defining the inflammatory relevance of IL-6 trans-signalling	Larry Gerace Nuclear membrane proteins in signaling and myogenesis
11:00	Christina Schreier Structural Characterization of the Kv1.4 Voltage Gated Potassium Channel T1 Domain and Mapping of its Interaction Sites with the Intracellular Domains of the Channel	Stefan Kins Intraneuronal traffic of the Amyloid Precursor Protein	Alexandra Koch Abl tyrosine kinase down-modulates downstream signals of nerve growth factor receptor, TrkA, by interfering with clearance of the receptor from the cell surface	Ralph Kehlenbach The role of cytoplasmic nucleoporins and pore-associated RanGAP in nuclear import and export
11:15	Thomas Jentsch Chloride conductance in the endosomal/lysosomal pathway: Novel insights from disease and biophysics	Michael Sendtner Axonal Transport of mRNAs and Organelles: Pathophysiological Role in Motoneuron Disease	Eithan Galun The H19 non coding RNA – is essential for human tumor growth	Ludger Hengst The CDK-Inhibitor p27 ^{Kip1} links Oncogenes to Cell Cycle Control

Tuesday, September 18

12:00	Short Presentations			
	Hall C	Hall J	Room 221	Room 121
12:00	Elion Hoxha Overexpression of the p85 α subunit of PI3-kinase inhibits GM-CSF-dependent proliferation and colony formation of hematopoietic cells	Philipp Jaeger APP processing, autophagy, and Alzheimer's disease	Matthias Kneussel Neuronal cotransport of glycine receptor and the scaffold protein gephyrin	Teruko Tamura Action of FMIP/THOC5 and THOC7, members of the THO mRNA export-complex
12:15	Cordula Enenkel Quality control of 26S proteasomes	Saravanan Panneerselvam Human kinase MARK/Par-1: Structure of catalytic and ubiquitin-associated domains	Oliver Bruns Non-invasive in vivo imaging of recombinant Lipoproteins labelled with nanocrystals	Georg Fuellen Towards Learning Regulation, Evolution and Pluripotency from OMICs Data.
12:30	Markus Perbandt Structure of the extracellular prostaglandin D synthase from the human pathogenic parasite <i>Onchocerca volvulus</i>	Andreas Eisenreich Rapamycin and paclitaxel increase the expression and activity of tissue factor in human aortic smooth-muscle cells	Panagiotis Papatheodorou The N-terminal extension of the eel mitochondrial citrate carrier (CIC) acts as a charged intramolecular chaperone	Manfred Konrad Molecular engineering and intracellular delivery of nucleoside kinases to improve anticancer and antiviral therapy
12:45	Marc Gentzel Targeted Relative Quantitative Analysis of H4 Lysine Acetylation by Mass Spectrometry	Ulrich Rothbauer Targeting and Tracing of Antigens in Living Cells with Fluorescent Nanobodies	Stefan Kernstock 3-D structure determination of human ADP-ribosyl hydrolase 3, structure guided mutagenesis and 3D-modelling of related ADP-ribosyl hydrolases	Mohammad Reza Ahmadian New insights into the intramolecular regulation mechanism of a RhoGAP with tumor suppressor function
13:00	Oliver Anderka SGLT inhibitors AVE2268 and SAR7226 do not affect the interaction between glucokinase and its regulatory protein at pharmacologically relevant concentrations	Christoph Klenk SUMO-1 Controls the Protein Stability and the Biological Function of Phosducin	Jürgen Kopitz Altered Expression of UDP-N-Acetyl-D-galactosamine:Polypeptide N-Acetylgalactosaminyltransferases in Cervical Cancer	Eva Wolf Structural and biochemical characterization of <i>Drosophila</i> and mammalian circadian clock proteins
13:15	Matthias Seedorf Direct ER to plasma membrane transport in yeast and mammalian cells	Wolfgang Fischer Viral Ion channels – still white spots in virus research	Thomas F Solbach Decreased expression of hypoxia-inducible factor 1 in human heart failure	Bernd Lepenies Toll-like receptor cascade in murine malaria: Role of TLR2/4/9 in protection and pathology

Tuesday, September 18

13:30		Industrial Luncheon Symposium:
14:00	Poster Session II	norgenta GmbH Norddeutsche Life Science Agentur Academic Professional Drug Discovery and Development
		Room 121

15:15 - 16:30	Posttranslational modification: Ubiquitin & SUMO B	Proteomics B	Regulation by small RNAs B	Pathology of protein biogenesis at the ER
Chair	H. Rudolph/D. Heinz	H. Meyer/ A. Sickmann	Ch. Hammann	W. Deppert/J. Hauber
Hall	Hall C	Hall J	Room 221	Room 121
15:15	Frauke Melchior Mechanism, function and regulation of SUMOylation	Nikolaus Pfanner The protein import machinery of mitochondria	Wolfgang Nellen Epigenetic control by small RNAs in Dictyostelium	Joost P.H. Drenth SEC63 gene mutations in polycystic liver disease
15:45	Thorsten Hoppe The Ubiquitin-selective Chaparone CDC-48/p97 links Myosin assembly to human myopathy	René Zahedi The human platelet proteome	Felix Tritschler The N-terminal domain of EDC3 adopts a divergent Sm fold required for P-body localization	Linda Müller The similarity between Sec62/Sec63 complex and ERj1 may explain the non-lethal phenotype of loss of Sec63 function
16:00	Titia Sixma Modulation of E2 activity by interaction with SUMO	Kai Stühler Proteomics - A tool for biomarker discovery	Pascale Romby <i>Staphylococcus aureus</i> RNAIII coordinately represses the synthesis of virulence factors and the transcription regulator Rot by an antisense mechanism	Jan Senderek Marinesco Sjögren syndrome, a disease of protein transport into the endoplasmic reticulum

16:30	Coffee Break
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17:00	Award Lecture: Altana Promotionspreis: Ute Kothe Dissecting the molecular mechanism of aminoacyl-tRNA selection by the ribosome Chair: N.Pfanner	HS B
17:20 - 18:10	Plenary Lecture: Stefan Hell Breaking Abbe's barrier: Diffraction-unlimited resolution in far-field microscopy Chair: U.Hahn / G. W. Mayr	HS B

19:00	Social Event
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Wednesday, September 19

9:00	Industrial Exhibition			
9:00	Plenary Lecture: Andreas Plückthun Combinatorial and Evolutionary Protein Engineering Chair: U.Hahn / G. W. Mayr			HS B
10:00	Coffee Break			
10:30 - 11:45	Directed manipulation of signalling systems	Concerted actions in glucose and lipid metabolism	Glycostructures (Symposium des SFB 470)	Protein folding
Chair	R. Frank/K. Friedrich	U. Beisiegel/ C.M. Becker	T. Bräulke	Ch. Betzel/ R. Willumeit
Hall	Hall C	Hall J	Room 221	Room 121
10:30	Harald Kolmar Cystine-knot microproteins as cytokine mimetics	Bart Staels The nuclear receptor FXR: a promising target for the metabolic syndrome?	Sörge Kelm Sialic Acid Recognition by Siglecs - Known Structures and Suggested Functions	Franz-Xaver Schmid Unfolding and prolyl isomerization in the function of the gene-3-protein of filamentous phage
11:00	Katja M. Arndt Targeting and Inhibiting Oncogenic Transcription Factors with D- and L- Peptides	Antje Burse Implication of glucose transporters in the sequestration of plant derived metabolites by leaf beetle larvae	Rüdiger Ettrich Structure, Function and Dynamics of fungal β -N-Hexosaminidase	Thomas Küper Vimentin is the specific target in skin glycation: structural prerequisites, functional consequences and role in skin ageing
11:15	Herman Overkleeft Proteomics tools to study the ubiquitin-proteasome pathway	Antonio Vidal-Puig	Robert Haltiwanger Glycosylation of EGF Repeats: Effects on the Notch Signaling Pathway	Rudi Glockshuber Assembly of type 1 pili in <i>Escherichia coli</i>
12:00	Plenary Lecture: Jorge E. Galán Structure, assembly and function of the <i>Salmonella</i> type III protein secretion organelle Chair: U.Hahn / G. W. Mayr			HS B
12:50 - 13:00	Presentation Poster Awards & Closing Remarks			HS B

Poster Sessions

Please see the abstract booklet for poster numbers and authors.

The poster contributions are grouped together in correspondence with the symposia:

Axonal transport and neurodegenerative disease	(AT)
Cell biology of host-pathogen interaction	(CB)
Concerted actions in glucose and lipid metabolism	(CA)
Cytokine signalling in inflammation and cancer	(CS)
Directed manipulation of signalling systems	(DM)
Glycostructures	(GS)
Ion channels	(IC)
Nuclear structure and chromatin remodelling	(NS)
Nuclear transport and signalling	(NT)
Pathology of protein biogenesis at the ER	(PP)
Posttranslational modification: Ubiquitin & SUMO	(PM)
Protein folding	(PF)
Proteomics	(PC)
Regulation by small RNAs	(RR)
Supramolecular complexes	(SP)
Other (free) topics	(OT)

Poster discussion times are as follows:

Monday, Sept. 17, 14:00 – 15:00

Tuesday, Sept. 18, 14:00 – 15:00

Please keep your poster mounted throughout the whole meeting.

Poster Awards

Poster Prizes will be awarded to the best posters according to the suggestion of members of the Scientific Board. Please be prepared to answer questions by members of the poster prize selection committee.

The poster prize will be awarded before the closing remarks, Wednesday, Sept. 19, 12:50, Hall B. All poster authors are requested to attend the session.

Citation of Abstracts

All meeting abstracts are published online indexed using the Digital Object Identifier (DOI). The Digital Object Identifier is an international accepted system for identifying and exchanging intellectual property in the digital environment and the standard reference system for electronic journals – for more information please see www.doi.org.

You can use the DOI as reference for your abstracts as you did in the past years with the volume and page number of a printed abstract magazine supplement. People can find the abstract e.g. searching the crossref.org database which links to the full abstract.

Awards and Honours

...presented during the meeting

Otto-Warburg-Medaille

Robert A. Weinberg, Whitehead Institute for Biomedical Research, Cambridge, USA

The Otto-Warburg-Medal is the most prestigious award of the GBM in the field of biochemistry. The award is sponsored by QIAGEN GmbH.

Fritz Lipmann Lecture

Timothy J. Richmond, ETH Zürich, Switzerland

This lecture was inaugurated in 1974, when Fritz Lipmann celebrated his 75th birthday.

Young Investigator Award der Schering Stiftung

Nils Wiedemann, Universität Freiburg

The prize is awarded to an exceptional young investigator in the field of molecular and cellular biology, including molecular endocrinology.

Karl Lohmann Prize

Monika Golas, Max-Planck-Institut für Biophysikalische Chemie, Göttingen

This prize distinguishes important research in the field of biological chemistry by a German scientist younger than 35 years.

Altana-Promotionspreis (Ph.D. thesis prize)

Ute Kothe, University of Lethbridge, USA

This Ph.D. thesis prize distinguishes the best doctoral thesis of the past year in the field of biochemistry and molecular biology.

Kommunikationspreis der GBM

Iris Eisenbeiser, Arntraud Meyer, BioS-Schülerlabor, Braunschweig

Award for outstanding activities which result in a better understanding of biochemistry and molecular biology in the public.

Satellite Meetings and Workshops

Annual meeting of the GBM Study Group "Neurochemistry"

Molecular pathways in health and disease of the nervous system

September 14 – 15, 2007

Friday, September 14th

from 16:00	Registration
18:00 -18:30	Mathias Kneussel <i>Transport and dynamics of neurotransmitter receptors to and from inhibitory synapses</i>
18:30-19:00	to be selected from Posters
19:00-19:30	to be selected from Posters
19:30-20:00	Roland Brand <i>Dendritic spine plasticity in neurodegenerative diseases</i>
20:00-20:45	Keynote lecture: Eva Mandelkow <i>Tau protein in neurite outgrowth, axonal transport, and Alzheimer neurodegeneration</i>
21:00	get together

Saturday, September 15 th

09:00-09:30	Tim Hucho <i>Intracellular Signaling in Pain</i>
09:30-10:00	Rüdiger Schweigreiter <i>The dual nature of the nerve growth inhibitor Nogo-A</i>
10:00-10:30	Barbara Kaltschmidt <i>A novel role of NF-kappaB in neural stem cells</i>
10:30-11:00	Coffee Break
11:00-12:00	Poster viewing
12:00-12:30	to be selected from posters
12:30-13:00	Rolf Heumann <i>Molecular physiology of Ras and Ras homologue enriched in brain (Rheb)</i>
13:00-14:00	Lunch and Poster viewing
14:00-14:30	Business meeting
14:30-15:00	Gerald Thiel <i>Expression of synapsin I, synaptophysin, and synaptotagmins II, IV, and VII in human neural stem cells: Chromatin accessibility, histone code and role of the transcription factor REST</i>
15:00-15:30	to be selected from posters
15:30-16:00	to be selected from posters
16:00-16:30	Coffe Break
16:30-17:00	Diego Walter <i>Protein monoaminylation, a mechanism going far beyond G protein modulation</i>
17:00-17:30	to be selected from posters
17:30-18:00	Poster viewing
18:00-18:30	Coffe break
18:30-19:00	Poster viewing
19:00-19:30	Paul Heppenstall <i>Transient Receptor Channels in Pain Sensation</i>
19:30	Social programme

The registration fees for this satellite meeting are 59 € (GBM member), 29 € (GBM junior member), 69 € (Non member), 39 € (Student non member)

The conference will be held at

University of Hamburg
Philosophenturm
(Von-Melle-Park 6)
Hörsaal G Von-Melle-Park 6
20146 Hamburg

Organisation & Contact:

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More information: www.nfkb.info/gbm/

Workshop: How to write a successful FP7 proposal**2nd ScanBalt Trayss Prime Workshop**

September 15 – 16, 2007,

University Hamburg, Institute for Biochemistry, Martin-Luther-King-Platz 6

September 15, 2007

14:00 – 14:15

Welcome and introduction to the workshop

14:15 – 15:00

Formation of the workgroups**What are the opportunities of FP7 for researchers?***Short introduction to the topic, group building*

15:00 – 16:00

What is an EU work program and call text?*Short introduction, training/team work on researching and evaluating calls, evaluation of the results*

16:00 – 16:30

Coffee break

16:30 – 17:30

Writing the Scientific Part of the proposal*Short introduction, training/team work on Part B ("work plan"), evaluation of the results*

17:30 – 18:30

Bioethical aspects to FP7*Followed by seminar day's wrap-up and discussion***September 16, 2007**

09:30 – 10:30

How to build a successful consortium?*Short introduction, training on partner search tools and team work, evaluation of the results*

10:30 – 11:30

Besides the scientific topics, what should be implemented to the proposal?*Short introduction, team work on the topics, European impact and intellectual property*

11:30 – 12:15

Financial issues in FP7 proposals*Short introduction into the financial rules and possible costs, example calculations*

12:15 – 13:00

Light lunch

13:00 – 13:45

How to use the Electronic Proposal Submission System (EPSS)*Short introduction, training/team work, evaluation of the results*

13:45 – 14:30

Evaluation criteria: Examples from successful and remarks to rejected proposals.*Short introduction, training/team work**Exercises to evaluation criteria and evaluation of the results*

14:30 – 15:00

Wrap-up and outlook to EU calls for 2008

15:00 – 15:45

Time for questions and discussion with experts

The registration fees for this satellite workshop are 120 € (regular participant), 90 € (GBM conference participant or ScanBalt member), 45 € (Student)

More information: www.scanbalt.org/sw13429.asp

Luncheon Symposia

febit biotech gmbh

New Advances in Microarray Technology

Monday, September 17, 13:30 – 15:00, Room 121

Markus Beier



Norgenta GmbH / North German Life Science Agency

Academic Professional Drug Discovery and Development

Tuesday, September 18, Room 121

Dr. Erich Greiner, Evotec AG
European ScreeningPort, Hamburg



Jens von Kries, FMP Berlin
German ChemBioNet

Markus Kaiser, CGC Dortmund
Chemical Genomics Centre (CGC) and Zentrum für Angewandte Chemische
Genomik (ZACG) Dortmund

Walter Rosenthal, FMP Berlin
Zentrum für Wirkstoffentwicklung Berlin-Brandenburg

Markus Kalesse, Leibniz-Universität Hannover
Niedersächsisches Wirkstoffzentrum

Arbeitskreis Studierende

Meet the Prof – Studierende treffen Professoren

(for Young Members of the GBM)

Chairs: Oliver Bruns / Birgit Mollwitz

Montag, 17. September, 13:00 – 15:00, Raum 222

Warburg-Preisträger Robert A. Weinberg, Whitehead Institute for Biomedical Research, Cambridge, USA und Patrick Cramer, Ludwig-Maximilians-Universität München stehen für ein Gespräch in zwangloser Atmosphäre zur Verfügung. Vor Studierenden, Diplomanden und Doktoranden beantworten sie bei belegten Broten und Getränken Fragen zu Forschung, Bildung und Karriere.
Teilnahme nur nach vorheriger Anmeldung (birgit-mollwitz@gmx.de)

Schülerkongress / Pupils' Conference

Faszination Biowissenschaften: Neues aus Biochemie, Biologie, Biomedizin und Biotechnologie

Die Gesellschaft für Biochemie und Molekularbiologie (GBM) mit Unterstützung des Naturwissenschaftlich-technischen Zentrums (NW-Zentrum) des Landesinstituts für Lehrerbildung und Schulentwicklung (LI) Hamburg und der Universität Hamburg, Department Chemie lädt herzlich zum GBM-Schülerkongress 2007 ein.

Dieser Kongress wurde für Schülerinnen und Schüler der Sekundarstufe II konzipiert. Er findet parallel zur wissenschaftlichen Jahrestagung der GBM statt, zu der sich Mitte September Wissenschaftlerinnen und Wissenschaftler aus aller Welt an der Universität Hamburg versammeln werden. Wir freuen uns, dass sich einige der erfolgreichen und namhaften Wissenschaftler und Wissenschaftlerinnen bereit erklärt haben einen Einblick in ihre aktuellen Forschungsbereiche zu gewähren.

Es erwartet Sie ein vielseitiges Programm aus

- ◆ Vorträgen über spannende und hochaktuelle Forschungsthemen
- ◆ Experimentierangeboten - jeweils passend zur Tagesthematik (Kosten: 5 Euro pro Person)
- ◆ Exkursionen in Hamburger Forschungsinstitutionen
- ◆ Markt der Möglichkeiten mit weiteren praktischen Angeboten, einem Quiz der Biologie-Olympiade, einem Pipettierstand zum Arbeiten mit kleinsten Flüssigkeitsmengen, Studieninformationen verschiedener biowissenschaftlichen Hochschulen, Informationsstände über Angebote für Schulen, Unterrichtsmaterialien zum Mitnehmen, u.v.m.

Wir bedanken uns bei den Sponsoren, die durch ihre finanzielle oder materielle Hilfe den Schülerkongress unterstützen:

norgenta

BIO-RAD

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Detaillierte Informationen erhalten Sie unter:

www.gbm-online.de/

Tagungen/Herbsttagung/2007Hamburg/docs/SchuelerProgramm.pdf

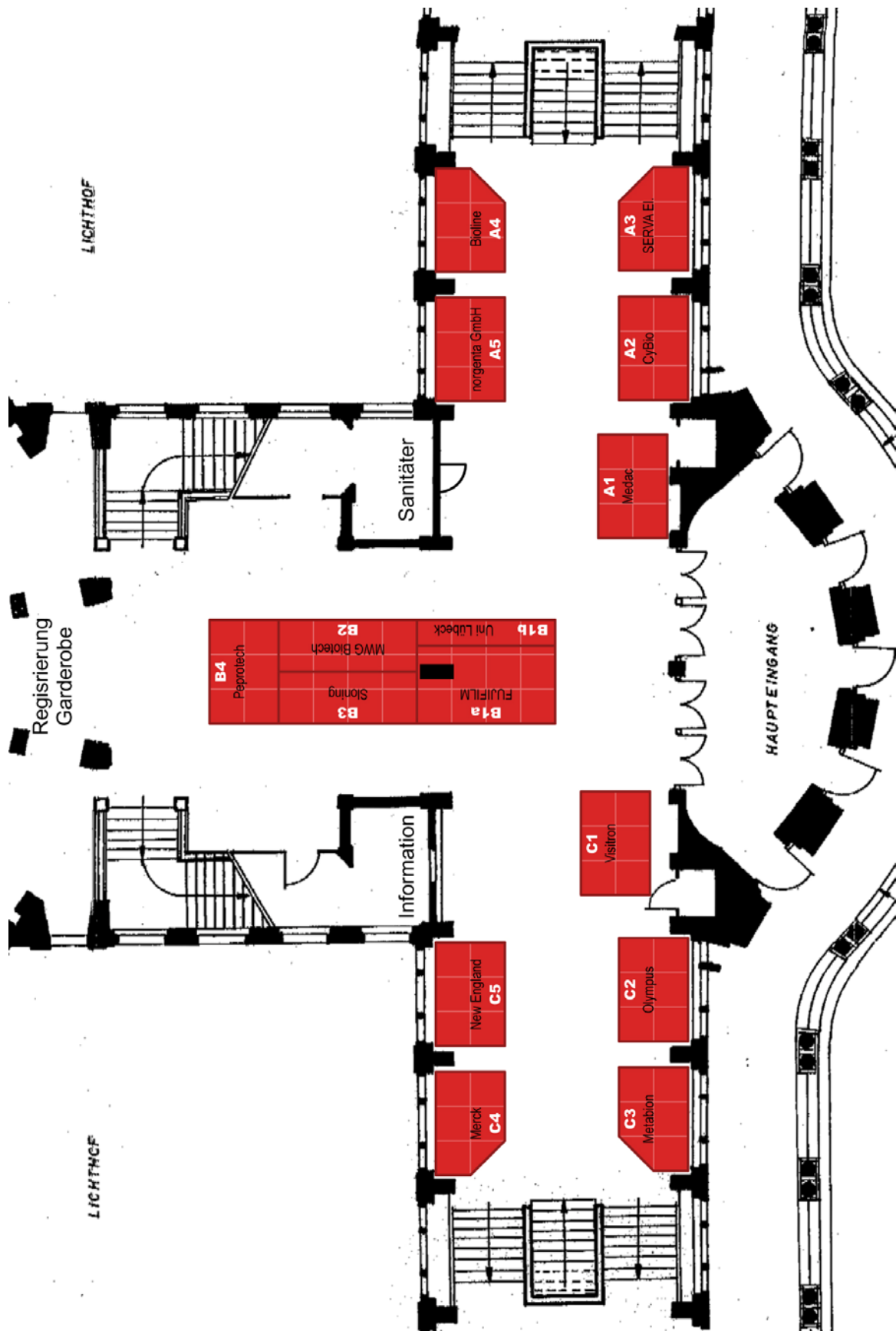
Industrial Exhibition

Exhibitor	Booth
Acris Antibodies GmbH	G2
ADVALYTIX AG	E5
Bioline GmbH	A4
BIOMOL GmbH	D10
Biozym Scientific GmbH	E3
CLC bio A/S	F2
CLONTECH / TAKARA BIO EUROPE	G5
CORING SYSTEM DIAGNOSTIX GmbH	G4
CyBio AG	A2
eppendorf AG	F3
Febit Biotech GmbH	D2
Fermentas GmbH	D4
FUJIFILM Life Science	B1a
Greiner Bio-One GmbH	H1
Ionovation GmbH	E2
Iris Biotech GmbH cfm Oskar Tropitzsch	E6
IBA GmbH	E1
Jena Bioscience GmbH	G1
LOXO GmbH	D6
MEDAC GMBH	A1
Merck Biosciences GmbH	C4
metabion international AG	C3
MicroCal, LLC	D3
Miltenyi Biotec GmbH	F1
Molecular Life Science, Uni Lübeck	B1b
MWG Biotech AG	B2
New England Biolabs	C5
norgenta GmbH Norddeutsche Life Science Agentur	A5
Nunc GmbH & Co. KG Thermo Fisher Scientific	D8
OLYMPUS DEUTSCHLAND GMBH	C2
PeproTech GmbH	B4
SARSTEDT AG & Co.	D7
SERVA Electrophoresis GmbH	A3
Sloning BioTechnology	B3
Spektrum Akademischer Verlag GmbH	E4
Süd-Laborbedarf GmbH	D1
THERMO SCIENTIFIC	G3
Visitron Systems GmbH	C1
Walter de Gruyter GmbH & Co. KG/Biological Chemistry	H2
Wyatt Technology EUROPE GmbH	D5
ZINSSER ANALYTIC GmbH	D9

The industrial exhibition opens throughout the meeting.

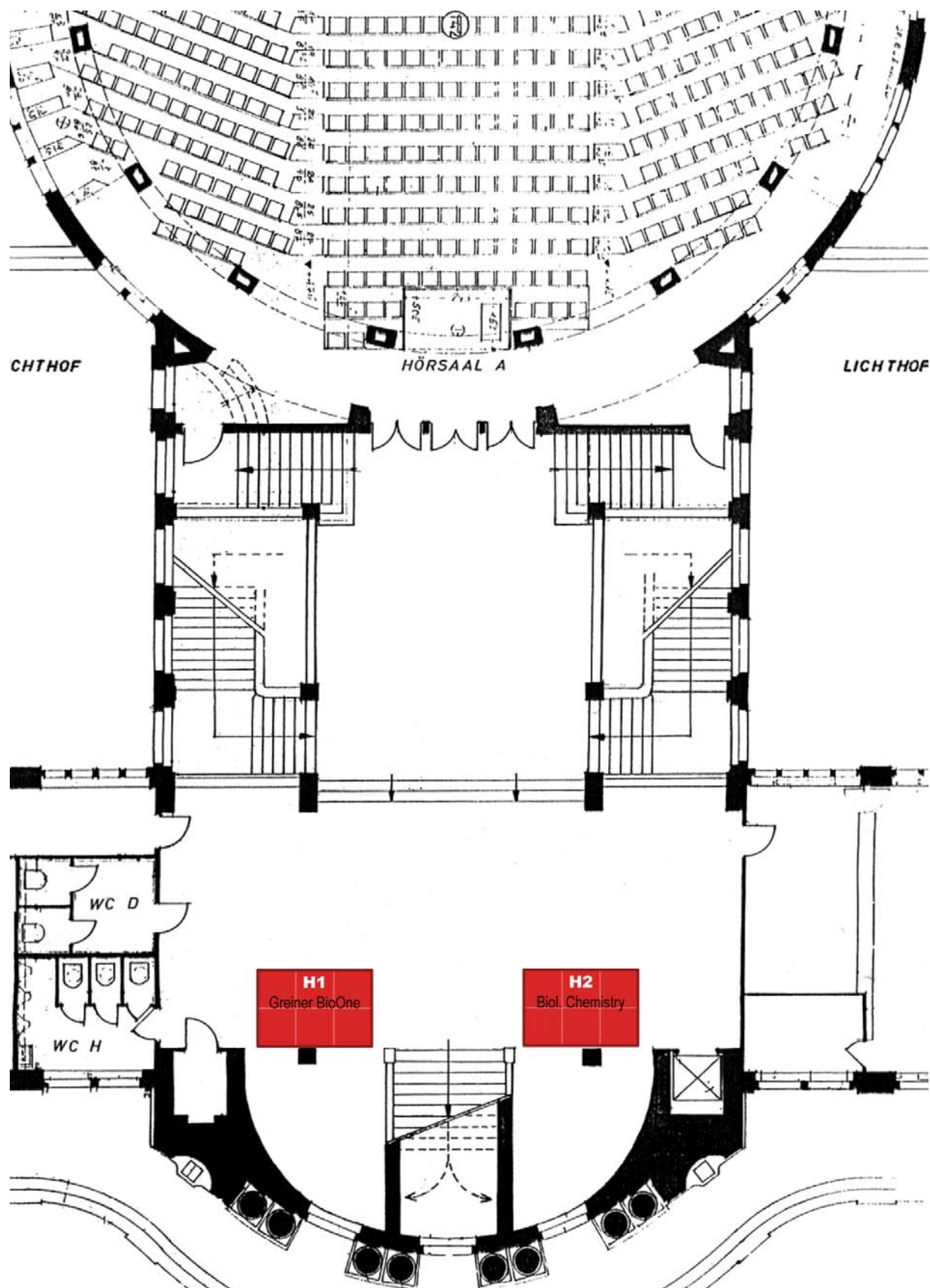
University Hamburg

Main Building, Ground Floor



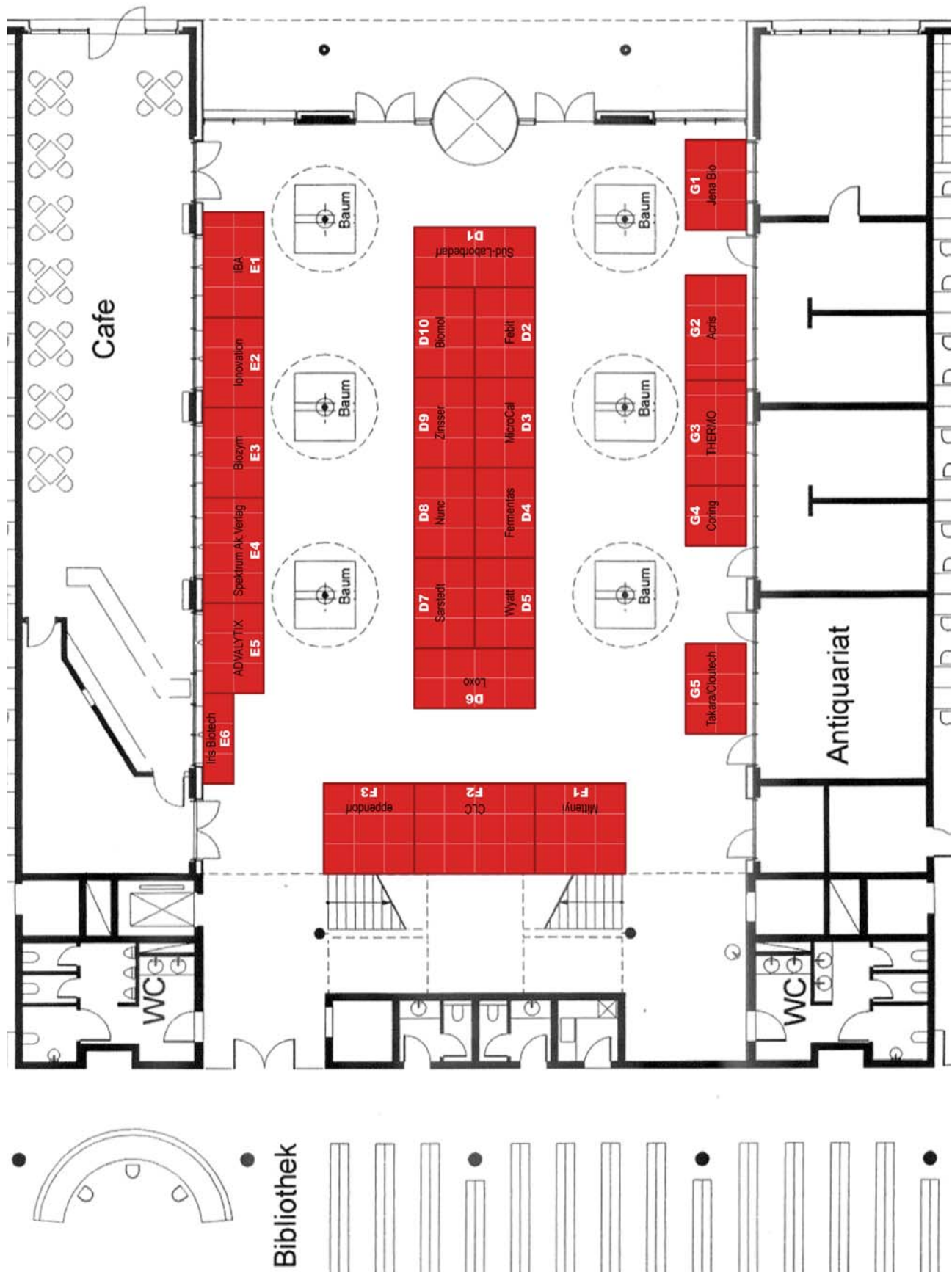
University Hamburg

Main Building, Second Level



University Hamburg

West Wing, Ground Floor



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We acknowledge the financial support of the Deutsche Forschungsgemeinschaft (DFG)



Main conference partner



Sponsor Otto Warburg Medal



Sponsors of GBM young investigator awards



Meeting site

