

1st Annual Meeting of the Austrian Association of Molecular Life Sciences and Biotechnology (ÖGMBT)

Innsbruck

September 21st – 23rd 2009

PROGRAM
and
ABSTRACTS

General Information

Venue: Building of the Theoretical Medical Institutes, Innsbruck Medical University, Fritz-Pregl-Straße 3

Lectures: Lecture Hall B, first lower level

Posters: Rooms 0121 and 0122 and foyer, first lower level

Industry exhibition: first and second lower level

Presentations: Talks:

The lecture hall is equipped with a beamer for PowerPoint presentations, a blackboard and loudspeakers. Speakers are kindly asked to store their PowerPoint presentations on a CD or USB-stick, preferentially compatible with Windows, and submit the file at the registration desk at least 2 hours before the presentation. If you require a Mac for your presentation you are strongly encouraged to bring your own laptop.

Posters:

All posters are on display throughout the meeting and poster viewing starts at 9:45. Presenters are encouraged to be at their posters during coffee and lunch breaks. Poster boards have a size of 90x120 cm. Pins for poster mounting will be available in the poster presentation rooms.

Language: English

Presentation Prices: The best oral presentation and the two best posters will be selected by a prize committee for prizes sponsored by the ÖGMBT.

Conference Fritz-Pregl-Straße 3, entrance area

Office: Sunday, September 20 th	16:00 - 19:00
Monday, September 21 st	07:30 - 19:00
Tuesday, September 22 nd	08:00 - 17:00
Wednesday, September 23 rd	08:00 - 12:00

Bank Account: ÖGMBT, Bank Austria 50670 034 323 bank code (BLZ) 12000
IBAN: AT75 1200 0506 7003 4323, BIC: BKAUATWW

REGISTRATION FEES:

	Before Aug. 20 th	After Aug. 20 th
Members of ÖGMBT	€ 45,--	€ 55,--
Non-members	€ 67,--	€ 75,--
Student members of ÖGMBT	free	free
Student Non-members, technicians and unemployed scientists	€ 31,--	€ 41,--

Organizing Committee: B. Auer, H. Grunicke, L. Hengst, J. Hofman, A. Hüttenhofer, H. Klocker, R. Schneider, J. Troppmair

Impressum: ÖGMBT, for the organizing committee:
Jakob Troppmair, Daniel-Swarovski Research Laboratory (DSL),
Department of Visceral-, Transplant- and Thoracic Surgery, Medical University of
Innsbruck
Innrain 66/6, A-6020 Innsbruck, Austria
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Acknowledgements

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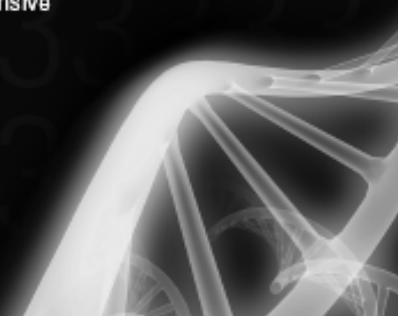
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Important locations



- 1 Meeting site
- 2 University Main Building ("Aula")
- 3 Central Train station
- 4 Old Town
- 5 Airport

Monday, September 21st

Welcome and Opening

8:30 – 9:00

Opening Ceremony

Tilman Märk, Vice-Rector, University of Innsbruck
Norbert Mutz, Vice-Rector, Innsbruck Medical University
Hans Grunicke, President ÖGMBT

Moderation: Jakob Troppmair, head of the organizing committee

Plenary Lecture 1: Neurogenetics

Chairperson: Christine Bandtlow

9:00 – 9:45

Herbert Herzog, Gravan Institute of Medical Research, Sydney
The role of NPY in health and disease: Insights from transgenic and KO models

9:45 – 10:15

Coffee Break and Begin Poster Viewing

10:15 – 10:45

Award Ceremony ÖGMBT-VWR/THP Research Awards

Chairperson: Hans Grunicke

Nikolaus Bernhard Binder: **Estrogen-dependent and C-C chemokine receptor-2- dependent pathways determine osteoclast behavior in osteoporosis**

Johann Ch. Holzmänn: **RNase P without RNA: Identification and functional reconstitution of the human mitochondrial tRNA processing enzyme**

Short talks 1: Cancer and Signaling

Chairpersons: Carmen Birchmaier/Helmut Klocker

10:45 – 11:00

ST1. Genes involved in androgen synthesis and metabolism and the risk for prostate cancer

Demichelis F¹, Setlur SR², Hossain RR¹, Chen CX¹, Van Doren VE¹, Stenzel B³, Steiner E³, Oldridge D¹, Kata-bayashi N¹, Ha JS², Chen JY, Horninger, W³, Schäfer G³, Lee C², Rubin MA¹, Klocker H³

¹Dep. of Pathology and Laboratory Medicine and Inst. for Computational Biomedicine, Weill Cornell Medical College, New York; ²Dep. of Pathology, Brigham & Women's Hospital, Harvard Medical School, Boston; ³Dep. of Urology, Innsbruck Medical University, Innsbruck.

- 11:00 – 11:15 **ST2. Identification of functional modules in prostate cancer using an integrated approach**
 Kamburov A¹, Pentchev K¹, Lehrach H¹, Klocker H², Sülthmann H³, Herwig R¹
¹Max Planck Institute for Molecular Genetics, Berlin, ²Medical University Innsbruck, ³German Cancer Research Centre, Heidelberg, Germany.
- 11:15 – 11:30 **ST3. Co-operation of the Ewing's sarcoma fusion oncogene EWS-FLI1 and E2F transcription factors**
 Schwentner R¹, Kauer M¹, Bilke S², Jug. G¹, Walker B², Meltzer PS² and Kovar H¹.
¹St. Anna Kinderkrebsforschung, Children's Cancer Research Institute, Zimmermannplatz 10, 1090 Vienna, Austria; ²National Cancer Institute, 37 Convent Drive, Bethesda, MD 20892, USA
- 11:30 – 11:45 **ST4. Evolutionary conserved crosstalk of GPCR signaling cascades involving protein kinase A**
 Stefan E.^{1,2}, Malleshaiah M.², Bister K.¹ and Michnick S.W.² ¹Institute of Biochemistry and CMBI, University of Innsbruck, Austria; ²Institute of Biochemistry, Université de Montréal, Canada
- 11:45 – 12:00 **ST5. STAT5 regulates cellular iron uptake of erythroid cells via IRP-2 AND TFR-1**
 Kerenyi, M, Grebien, F, Schifrer, M, and Müllner, EW;
 Max F Perutz Laboratories, Department of Medical Biochemistry, Medical University of Vienna, Austria

12:00 – 13:30 **Poster Viewing and Lunch**

12:00 **ÖGMBT Board Meeting**
 Room 522

13:15 – 14:00 **Charles River presentation:** Continuous infusion in laboratory animals during in vivo bioluminescence imaging (**Hörsaal 3**)

13:30 – 14:00 **Press Release Price Dialog Gentechnik**

Special Symposium 1: Cancer and signaling

Chairpersons: Lukas Huber/Gottfried Baier

- 14:00 – 14:30 **Caterina La Porta**, University of Milan, Department of Biomolecular Science and Biotechnology, Milan
Cancer stem cells: a lesson from melanoma
- 14:30 – 15:00 **Nisar Malek**, Hannover Medical School, Department of Gastroenterology, Hepatology and Endocrinology, Hannover
Differentiation-induced stem cell senescence is a tumor suppressor mechanism
- 15:00 – 15:30 **Michael Leitges**, Biotechnology Center of Oslo, University of Oslo, Oslo
Roles of individual Protein Kinase C isoforms during tumorigenesis
- 15:30 – 16:00 **Carmen Birchmeier**, Max-Delbück Center for Molecular Medicine, Berlin
Nrg1/ErbB signaling in development and function of the nervous system

16:00 – 17:00 **Coffee Break and Poster Viewing**

Plenary Lecture 2: Cancer and Signaling

Chairperson: Reinhard Kofler

- 17:00 – 17:45 **Patrick Baeuerle**, Micromet, Munich
Cancer Therapy by T Cell-engaging Antibodies

18:00 – 19:00 **General Assemblies (ÖGMBT/OGBM, ÖGGGT)**
Lecture Hall B

19:00 **Wine tasting**
Company exhibition: Theoretical Medical Institutes, Fritz Pregl. Str. 3, Congress Venue

All participants are kindly invited to spend a good and informative time with our exhibitors. Beverages and food are provided.

08:30 – 09:00 **Educational 1**
Ludger Hengst, Innsbruck
Restriction Point Control and Cell Proliferation

Plenary Lecture 3: Cancer

Chairperson: Ludger Hengst

09:00 – 09:45 **Eduardo Moreno**, Spanish National Cancer Research Center, Madrid
The competitive nature of cells

09:45 - 10:15 **Coffee Break and Begin Poster Viewing**

10:15 – 10:45 **Award Ceremony: ÖGMBT Best Thesis Awards**

Chairperson: Hans Grunicke

Oliver Spadiut: **Pyranose 2-oxidase: Playground for enzyme evolution**

Nina Wressnigg: **Influenza B NS1 Truncation Mutants: A live attenuated vaccine approach**

Short talks 2: Signaling/Transcription-Translation, Aging

Chairpersons: Johannes Grillari/Ulf R. Rapp

10:45 – 11:00 **ST6. Molecular characterization of the orphan cyclin dependent kinase PCTAIRE-1**

Mikolcevic P.¹, Sigl R¹, Sohm B¹, Pfaller K², Hess M² and Geley S¹.

¹*Division of Molecular Pathophysiology, Biocenter, ²Department of Anatomy, Histology and Embryology, Medical University of Innsbruck, Innsbruck, Austria.*

11:00 – 11:15 **ST7. EF-G GTPase Activation on the Ribosome – Who Pulls the Trigger?**

Clementi N.¹, Chirkova A.¹, Puffer B.², Micura R.² and Polacek N.¹

¹*Innsbruck Biocenter, Medical University Innsbruck, Division of Genomics and RNomics, Austria*

²*Institute of Organic Chemistry, Center for Molecular Biosciences, University of Innsbruck, Austria*

11:15 – 11:30 **ST8. Exo70, a subunit of the exocyst complex, is involved in pre-mRNA splicing**

Dellago H.¹, Löscher M.¹, Ajuh P.², Ryder U.², Kaisermayer C.¹, Grillari-Voglauer R.¹, Fortschegger K.¹, Gross S.¹, Borth N.¹, Eisenhaber F.³, Lamond A.I.², Katinger H.¹ and Grillari J.¹

¹*University of Natural Resources and Applied Life Sciences, Vienna, ²University of*

Dundee, Scotland, ³Institute of Molecular Pathology, Vienna, Austria

11:30 – 11:45 **ST9. Age-associated Functional Variances and Changes in Stemness of Human Mesenchymal Stem Cells**
Lepperdinger G.
Institute for Biomedical Aging Research, Austrian Academy of Sciences, Rennweg 10, A-6020 Innsbruck

11:45 – 12:00 **ST10. The novel protein Nopsi elongates the life span of model organisms**
Schosserer M., Minois N.¹, Linder A., Wilson, I., Sekot G., Wurzenberger J., Katinger H., Grillari R., Grillari J.
University of Natural Resources and Applied Life Sciences, Muthgasse 18, 1190 Vienna, Austria. ¹School of Biology, Brae House, University of St Andrews, St Andrews, Fife, KY16 9TH Scotland

12:00 – 13:30 **Poster Viewing and Lunch**

13:30 – 14:00 **Educational 2**
Pidder Jansen-Dürr, Innsbruck
Molecular Mechanisms of Ageing: Models, Facts and Questions

Special Symposium: Aging

Chairpersons: Georg Wick/Pidder Jansen-Dürr

14:00 – 14:30 **Johannes Grillari**, Institute of Applied Microbiology, Vienna
From cellular senescence to organismal aging: novel players in the regulation of longevity

14:30 – 15:00 **Frank Madeo**, Institute for Molecular Biology, Graz
Inhibition of necrosis promotes longevity

15:00 – 15:30 **Placido Navas**, Universidad de Sevilla, Sevilla
Coenzyme Q in aging: a key factor in respiratory metabolism

15:30 – 16:00 **Aleksandra Trifunovic**, Department of Laboratory Medicine, Division of Metabolic Diseases Novum, Karolinska Institut, Stockholm
cancelled

16:00 – 17:00 **Coffee Break and Poster Viewing**

17:00 – 18:00 **FEBS Award Lecture**
Chair: Jakob Troppmair
Ulf R Rapp, Würzburg
RAF Kinase Signaling in Cancer

18:00 – 19:00

Welcome Reception by the City of Innsbruck and the Province of Tyrol
Aula, Main University Building 1st floor, Christoph-Probst Platz
(see map)

All participants are invited to attend this reception. Beverages and food will be served. An invitation is included in your congress package.

09:00 – 09.45 **Educational 3**
Alexandra Lusser, Innsbruck
Chromatin and Transcription Regulation

Plenary Lecture 5: Systems Biology

Chairperson: Bernhard Auer

09:00 – 09.45 **Vassiliy Hatzimanikatis**, Institut des Sciences et Ingénierie Chimiques,
Lausanne
The Systems Engineering of Systems Bio/Technology

09:45 – 10:15 **Coffee Break**

Short Talks 3: Biotechnology, Free Communications

Chairpersons: Cornelia Lass-Flörl/Rainer Schneider

- 10:15 – 10:30 **ST11. In silico prediction of conformational IgE epitopes of group 3 allergens based on structural and immunological data**
Devanaboyina V¹, Lupinek C², Dall'Antonia F¹, Nandy A³, Valenta R², Keller W¹
¹Institute For Molecular Biosciences, Graz, Austria, ²Department of Pathophysiology, Vienna, Austria, ³Allergopharma J.Ganzer KG, Reinbek, Germany
- 10:30 – 10:45 **ST12. Surface Engineering of Enveloped Viral Vectors and Virus-like Particles**
Metzner C^{1,2}, Salmons B³, Günzburg WH^{1,2,4}, Dangerfield JA^{1,3,4}
¹Institute of Virology, Department of Pathobiology, University of Veterinary Medicine and ²Christian Doppler Laboratory for Gene Therapeutic Vector Development, Vienna, Austria. ³SGaustria Pte Ltd, and ⁴Christian Doppler Laboratory Foreign Module for Virology-Nanotechnology, Biopolis, Singapore.
- 10:45 – 11:00 **ST13. Triacylglycerol lipases of yeast and plants: more than just hydrolases**
S. Rajakumaria, R. Rajasekharanb and G. Daum
a Institute of Biochemistry, Graz University of Technology, *b* Department of Biochemistry, Indian Institute of Science,
- 11:00 – 11:15 **ST14. Micropatterning of plasma membrane proteins to analyze raft localization in living cells**
Weghuber J.¹, Sunzenauer S.¹, Rajendran L.², Brameshuber M.¹, Simons K.², Schütz G.J.¹
¹Biophysics Institute, Johannes Kepler University Linz, Altenbergerstr.69, A-4040 Linz, Austria, ²Max Planck Institute of Molecular Cell Biology and Genetics,

Pfotenhauerstr. 108, D-01307 Dresden, Germany.

- 11:15 – 11:30 **ST15. Imaging distinct conformational states of protein aggregates in steatohepatitis using novel luminescent polymers.**
Mahajan V¹, Klingstedt T², Nilsson K. P², Fuchsbichler A¹, Kashofer K¹, Abuja PM¹, Denk H¹, Zatloukal K¹
¹*Institute of Pathology, Medical University of Graz, Austria,* ²*Department of Chemistry, Linköping University, Sweden*
- 11:30 – 11:45 **ST16. Role of TIS7 and SKMc15 in lipid metabolism.**
D. Cikes, ¹R. Gstir, ¹Ch. Zwicker, ¹T. Stasyk, ²E. Demetz, ²I. Tancevski, ³A. Hermetter, ³M. Morak, ⁴V. Kuhn, ⁵F. Stellaard, ¹L.A. Huber, ¹I. Vietor
¹*Division of Cell Biology, Biocenter Innsbruck,* ²*Department for Internal Medicine,* ⁴*Department for Trauma Surgery and Sports Medicine, Innsbruck Medical University, A-6020 Innsbruck, Austria,* ³*Technical University, A-8401Graz, Austria* ⁵*University Medical Center Groningen, Groningen, The Netherlands*

12:00 – 13:15 **Lunch**

Plenary Lecture 5: Signaling

Chairperson: Hans Grunicke

- 13:15 – 14:00 **Walter Birchmeier**, Max-Delbück Center for Molecular Medicine, Berlin
Wnt/ β -catenin signaling in precursor and stem cells

- 14:00 – 15:15 **Funding Opportunities**

Moderation: Peter Josten

FWF: Christine Bandtlow

EU: Wolfram Rieneck

FEBS: Barbara Kofler

- 15:15 **Award ÖGMBT Prizes for best Short Talk and best Posters**
Hans Grunicke

Concluding Remarks

	Monday, September 21, 2009	Tuesday, September 22, 2009	Wednesday, September 23, 2009
07:30	Start Registration		
08:30 - 09:00	Opening Ceremony	<i>Educational 1</i>	<i>Educational 3</i>
09:00 - 09:45	Plenary lecture 1: NEUROGENETICS HERBERT HERZOG, Sydney (sponsored by FEBS 2007)	Plenary lecture 3: CANCER EDUARDO MORENO, Madrid	Plenary lecture 5: SYSTEMS BIOLOGY VASSILY HATZIMANIKATIS, Lausanne
09:45 - 10:15	Coffee Break – Begin Poster Viewing	Coffee Break - Begin Poster Viewing	Coffee Break
10:15 - 10:45	Award ceremony: ÖGMBT-VWR/THP Research Awards	Award ceremony: ÖGMBT best thesis awards	Short Talks 3: Biotechnology/Free Communications
10:45 - 12:00	Short Talks 1: Cancer/Signaling	Short Talks 2: Signaling/Transcription/Translocation/ Aging	
12:00	ÖGMBT Board Meeting Theoretical Medical Institutes, Fritz-Pregl-Str. 3, 5th floor, room 522		
12:00 - 13:30	Poster Viewing and Lunch	Poster Viewing and Lunch	Lunch
13:15 - 14:00	Charles River (Lecture Hall 3)		Plenary lecture 6: SIGNALING WALTER BIRCHMEIER, Berlin
13:30 - 14:00	Press Release Price Dialog Gentechnik	<i>Educational 3</i>	
14:00 - 16:00	Special Symposium 1 CATERINA LA PORTA, Milan NISAR MALEK, Hannover MICHAEL LEITGES, Oslo CARMEN BIRCHMEIER, Berlin	Special Symposium 2 JOHANNES GRILLARI, Wien FRANK MADEO, Graz PLACIDO NAVAS, Sevilla	FUNDING OPORTUNITIES 15:15 Award Ceremony “Best Short Talk” and “Best Posters” Concluding remarks
16:00 - 17:00	Coffee Break and Poster Viewing	Coffee Break and Poster Viewing	
17:00 - 17:45	Plenary Lecture 2: CANCER and SIGNALING PATRICK BAEUERLE, Munich	FEBS AWARD LECTURE ULF R RAPP, Würzburg	
18:00 - 19:00	General assemblies (ÖGMBT, OGBM, ÖGGGT), Fritz-Pregl-Str. 3, HS B	Reception by the City of Innsbruck/Province of Tyrol Aula, Main University Building, 1st floor, Christoph-Probst-Platz	
19:00	Wine tasting and Company exhibit		