

Speaker

Ada Yonath

Director, The Helen and Milton A. Kimmelman Center for Biomolecular Structure and Assembly, Structural Biology Department, Weizmann Institute of Science, Rehovot, Israel



Victor Ambros

Co-director, RNA Therapeutics Institute, Silverman Professor of Natural Sciences Program in Molecular Medicine, University of Massachusetts Medical School Worcester, USA



Friedrich Lottspeich

Head, Department for Protein Analytics, Max Planck Institute of Biochemistry, Martinsried, Germany



Burkhard Rost

Professor, Department of Computational Biology & Bioinformatics, TU Munich, Germany

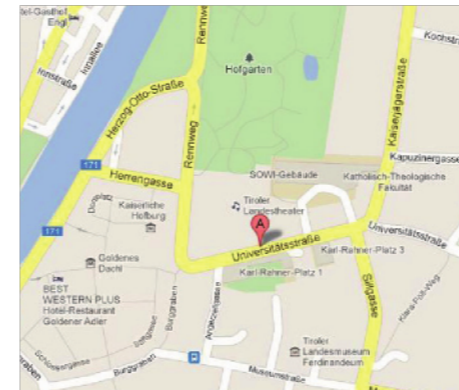


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Venue

Hotel Grauer Bär
Universitätsstraße 5-7
6020 Innsbruck, Austria
Phone: +43 (0)512 59240



Contact

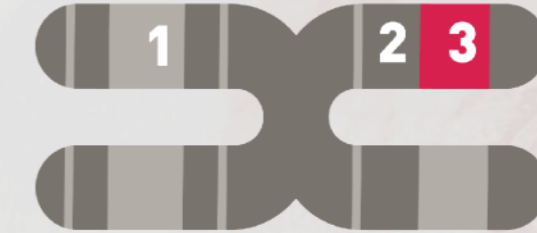
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9 Years of GEN-AU Research

From DNA to RNA to Protein:
From Data to Knowledge.



March 28-29, 2012
Hotel Grauer Bär
Universitätsstraße 5-7
Innsbruck

Participation is **FREE**



In recent years, three projects within the Austrian genome research programme GEN-AU have cooperated intensively in the fields of Proteomics, RNomics and Bioinformatics. The end of these projects offers the chance to recapitulate and to look beyond the future.

Programme:

Presentations of young scientists
Poster session and award
Meeting Dinner, March 28th, 8 p.m.
Band: Molecular Shape Shifters

Details:

<http://biocenter.i-med.ac.at>

For registration contact:
Manuela.Zine@cemit.at

Invited Speakers:

Ada Yonath

Weizmann Institute of Science, Rehovot, Israel

Victor Ambros

RNA Therapeutics Institute, Worcester, USA

Friedrich Lottspeich

Max Planck Institute of Biochemistry, Germany

Burkhard Rost

Technical University Munich, Germany

We thank our sponsors:



WEDNESDAY, MARCH 28, 2012
09.00

WEDNESDAY, MARCH 28, 2012
14.30

THURSDAY, MARCH 29, 2012
09.00

09.00 - 09.30 **Welcome reception - Introduction: Lukas Huber**
Opening words by vice rector **Günther Sperk**

09.30 - 09.45 **Oliver Kemper:**
Overview of ten years genome research in Austria

09.45 - 10.30 **APP chair: Lukas Huber**
Plenary lecture
Friedrich Lottspeich:
Proteomics - is there a light at the end of the tunnel?

10.30 - 11.15 Coffee break & poster session

11.15 - 11.45 **Lukas Huber:**
9 years proteomic research in APP: highlights and outlook

11.45 - 12:00 **Rainer Köck:**
New analytical technologies for enrichment, separation and identification in proteomics

12.00 - 12.15 **Thomas Taus:**
Aiming at reliable and sensitive localization of phosphorylation sites in high-throughput

12.15 - 12.30 **Elena Rudashevskaya:**
Revealing dynamic protein kinase complexes via crosslinking, SDS-PAGE and mass spectrometry

12.30 - 14.30 **Lunch and poster session**

14.30 - 15.15 **ncRNAs chair: Alexander Hüttenhofer**
Plenary lecture
Victor Ambros:
MicroRNA pathways in animal development

15.15 - 15.45 **ncRNAs chair: Norbert Polacek**
Alexander Hüttenhofer:
ncRNA research in the Gen-au program: What have we achieved?

15.45 - 16.00 **Elisabeth Schraml, Sylvia Weilner:**
miR-31 is secreted by senescent endothelial cells and inhibits osteogenesis of mesenchymal stem cells

16.00 - 16.15 **Michael Karbiener:**
MicroRNAs in human adipocyte differentiation and function

16.15 - 17.00 Coffee break & poster session

17.00 - 17.45 **Plenary lecture**
Ada Yonath:
The amazing ribosome, its tiny enemies and thoughts about origin

17.45 - 18.00 **Adam Weiss:**
RNA polymerase II binding aptamers that regulate their own transcription

18.00 - 18.15 **Andreas Pircher:**
The regulatory ncRNA interactome of yeast ribosomes

18.15 - 18.35 **Roland Wicki, Life Technologies:**
News in next generation sequencing, ion torrent PGM and 5500 SOLiD system

19.30 Free beer and poster session

20.00 **Symposium dinner and poster award**
Biocenter band Molecular Shape Shifters
Special guest appearance: Mr. RNomics

09.00 - 09.45 **BIN chair: Zlatko Trajanoski**
Plenary lecture
Burkhard Rost:
Evolution teaches protein prediction

09.45 - 10.15 **Zlatko Trajanoski:**
Bioinformatics in Austria: 10 years after

10.15 - 10.30 **Pornpimol Charoentong:**
Modeling tumor-immune cell interaction in colorectal cancer

10.30 - 11.00 Coffee break

11.00 - 11.15 **Anaïs Flore Bardet:**
Conservation and context-dependence of transcription factor binding revealed by ChIP-Seq

11.15 - 11.30 **Alexey Stukalov:**
Bayesian inference of protein complex modules from affinity purification mass spectrometry data

11.30 - 12.00 **Stephan Pabinger** in cooperation with Hewlett Packard GmbH:
High-performance computing in bioinformatics

12.00 **Closing remarks**

12.30 **Lunch and presentation award**

FINAL PROGRAM