

24. Ernst Klenk Symposium in Molecular Medicine

Protein Aggregation and Brain Disease

14. – 16. September 2008

Preliminary Program

Scientific Organizer

Adriano Aguzzi

Institute of Neuropathology,
University Hospital of Zürich, Switzerland

Venue

Main Lecture Hall of the Centers for
Biochemistry and Physiology
Medical Faculty
University of Cologne
Joseph-Stelzmann-Str. 52
D-50931 Cologne

Participation of the meeting is free of charge.

Further information and free registration:

www.zmmk.uni-koeln.de

Organization

Center for Molecular Medicine Cologne (CMMC)
Ernst Klenk Foundation, Marburg

Sunday – 14. September 2008

1.30 p.m.	Welcome Address Axel Freimuth - Rector, University of Cologne Martin Krönke - Chairman, CMMC, University of Cologne Hans-Dieter Klenk - Chairman, Ernst Klenk Foundation, Marburg
Session I: Structural Biology of Protein Aggregates	
1.40 – 2.20 p.m.	Structural Studies of Protein Aggregates Roland Riek Swiss Federal Institute of Technology, Zürich – Switzerland
2.20 – 3.00 p.m.	Variations in the Steric Zipper Motif and the Structural Properties of Amyloid Fibrils Michael R. Sawaya University of California, Los Angeles - USA
3.00 – 3.40 p.m.	Probing the Mechanism of Formation and Structure of Protofibrillar Aggregates Fabrizio Chiti Università degli Studi di Firenze – Italy
3.40 – 4.10 p.m.	<i>Coffee Break</i>
4.10 – 4.50 p.m.	Probing Protein Aggregates with Luminescent Conjugated Polymers Peter Nilsson Linköpings University – Sweden
4.50 – 5.30 p.m.	The Complexity of Protein Misfolding and Aggregation Processes Per Hammarström Linköpings University – Sweden
5.30 – 5.55 p.m.	pending Tuomas Knowles University of Cambridge - Great Britain

Monday – 15. September 2008

Session I: Structural Biology of Protein Aggregates	
9.00 – 9.40 a.m.	Structural Basis of Oligomer Toxicity and Amyloid Ubiquity Robin Carrell University of Cambridge – Great Britain
9.40 – 10.20 a.m.	Large Scale Motions in Proteins Michele Parrinello Swiss Federal Institute of Technology, Zürich – Switzerland
10.20 – 10.40 a.m.	<i>Coffee Break</i>

Session II: Cellular Models

- 10.40 – 11.20 a.m. **The Secret Life of Prion Strains**
Charles Weissmann
The Scripps Research Institute, Florida – USA
- 11.20 – 12.00 a.m. **Mechanism of Prion Formation In Vitro**
Surachai Supattapone
Dartmouth Medical School, Hanover – USA
- 12.00 – 2.00 p.m. *Lunch Break*

Session III: Mouse Models

- 2.00 – 2.40 p.m. **Alterations in Purkinje Cell Signaling in SCA1**
Harry T. Orr
University of Minnesota, Minneapolis – USA
- 2.40 – 3.05 p.m. **Lymphotoxins, Granulomas and Prions**
Mathias Heikenwälder
University Hospital of Zürich – Switzerland
- 3.05 – 3.25 p.m. *Coffee Break*
- 3.25 – 4.05 p.m. **Exogenous Induction of Cerebral Amyloidosis in Transgenic Mice**
Mathias Jucker
Hertie Institute of Clinical Brain Research, Tübingen – Germany
- 4.05 – 4.45 p.m. **From Charcot to Lou Gehrig: Mechanisms of Motor Neuron Death in ALS**
Don Cleveland
University of California San Diego, La Jolla – USA
- 4.45 – 6.00 p.m. *Coffee Break*

6.00 – 7.00 p.m. **Ernst Klenk Lecture**
Biology of Prion Diseases

Adriano Aguzzi
Institute of Neuropathology
University Hospital of Zürich – Switzerland

Tuesday – 16. September 2008**Session IV: Pathogenesis and Clinical Outlook**

- 9.00 – 9.40 a.m. **Myelin Assembly and Models of Myelin Disease**
Klaus-Armin Nave
Max Planck Institute of Experimental Medicine, Göttingen – Germany
- 9.40 – 10.20 a.m. *pending*
- 10.20 – 10.40 p.m. *Coffee Break*
- 10.40 – 11.20 a.m. **Protein Interactions Mediating SCA1 Pathogenesis**
Janghoo Lim
Baylor College of Medicine, Houston – USA
- 11.20 – 12.00 a.m. **Neuroprotective Inhibitors of Cytochrome C Release do not affect Huntingtin Aggregates**
Robert M. Friedlander
Harvard Medical School, Boston – USA
- 12.00 – 12.25 p.m. **Role of TDP-43 in the Pathogenesis of Frontotemporal Lobar Degeneration and Amyotrophic Lateral Sclerosis**
Manuela Neumann
Ludwig-Maximilians University, München – Germany
- 12.25 – 12.35 p.m. **Summary and Concluding Remarks**

General Information:

The meeting is open and no registration or attendance fee is required.
Free registration under: klenk-symposium@uni-koeln.de

For further information please contact:

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For directions please visit:

www.medizin.uni-koeln.de/zb/zik/anfahrt

and for a site map:

www.medizin.uni-koeln.de/zb/zik/lageplan/

For accommodation please contact:

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