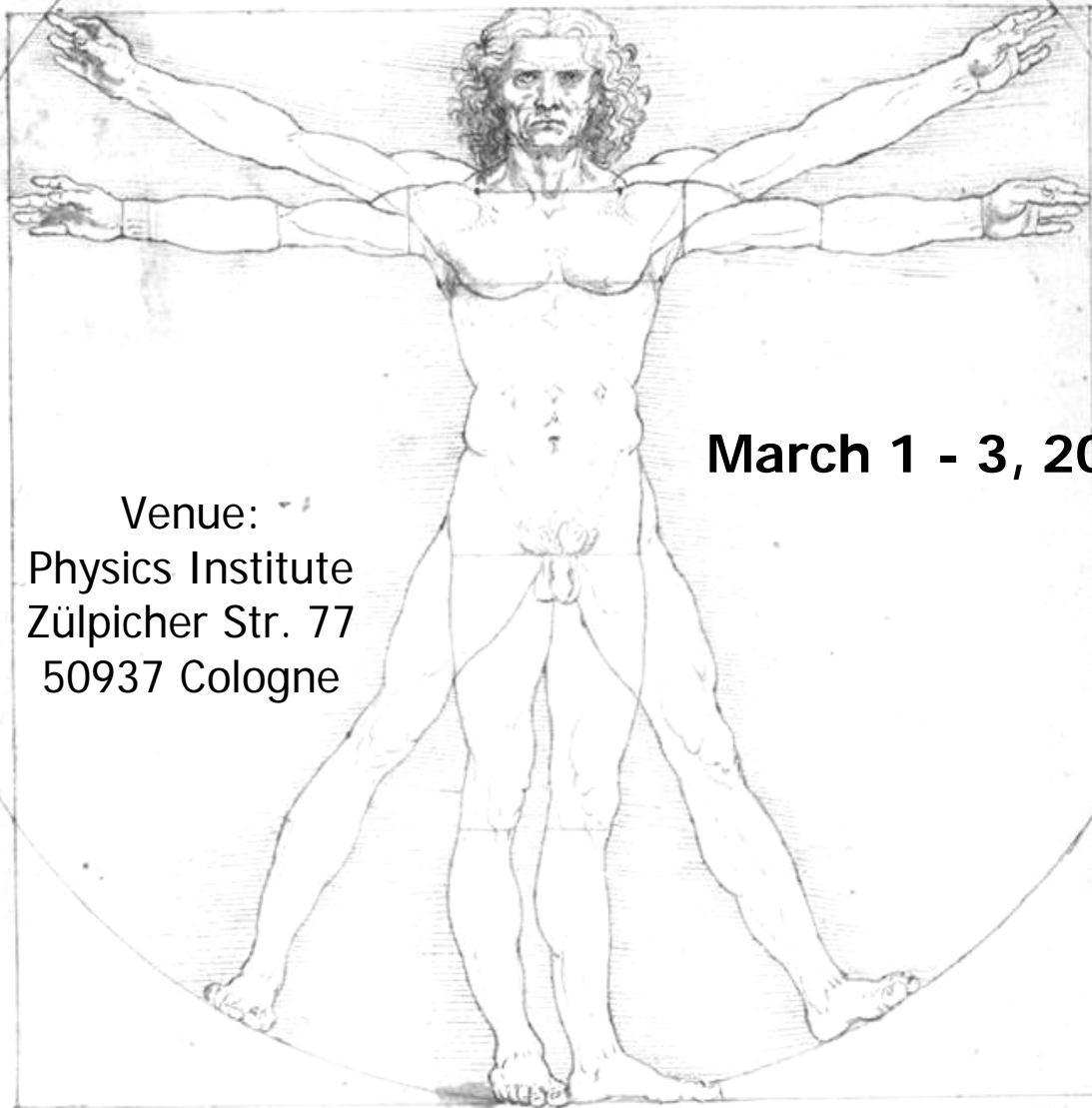


Cologne Spring Meeting 2006

International Symposium of the SFB 635

The control of protein function

Cellular regulation, dysfunction and disease



Organisers:

Thomas Langer, Maria Leptin, Jonathan Howard and George Coupland

Institute for Genetics, University of Cologne and Department of Plant Developmental Biology, Max-Planck-Institute for Plant Breeding Research, Cologne

Wednesday, March 1, 2006

14:00 - 14:15 Opening: Thomas Langer

Session 1

chair: Thomas Sommer, MDC Berlin

14:15 - 14:55 **Frauke Melchior**, Department of Biochemistry, University of
Göttingen
Regulation of SUMOylation by reversible oxidation of SUMO
conjugating enzymes

14:55 - 15:35 **Stefan Jentsch**, Max-Planck-Institute for Biochemistry, Martinsried
Ubiquitin and SUMO as decision makers

15:35 - 16:15 **Ivan Dikic**, Institute for Biochemistry, University of Frankfurt/Main
Cell signalling by protein ubiquitylation

16:15 - 16:45 *Coffee Break*

16:45 - 17:25 **Helle Ulrich**, Cancer Research Institute, London
Control of DNA damage tolerance by ubiquitin and SUMO

17:25 - 18:05 **Titia K. Sixma**, Netherlands Cancer Institute, Amsterdam
Structural analysis of ubiquitin and SUMO enzyme complexes

End of Session

18:30 Open house party
Institute for Genetics, Zülpicher Str. 47,
lecture hall, ground floor

Thursday, March 2, 2006

Session 2 *chair: Michael Przybylski, University of Konstanz*

- 9:15 - 9:55 **Michael Ehrmann**, University of Duisburg-Essen
Implications of quality control in protein composition and human disease
- 9:55 - 10:35 **Regine Hengge**, Institute for Biology and Microbiology,
University of Berlin
Proteolytic control of RpoS, a stress response master regulator in
E.coli
- 10:35 - 11:05 *Coffee Break*
- 11:05 - 11:45 **Didier Picard**, Department of Cellbiology, Geneva
The Hsp90 chaperone machine - from molecular dynamics to mouse
genetics
- 11:45 - 12:25 **Jürgen Dohmen**, Institute for Genetics, University of Cologne
Unexpected routes to the proteasome
- 12:25 - 14:30 *Lunch Break*

Session 3 *chair: George Coupland, MPI Cologne*

- 14:30 - 15:10 **Randy Y. Hampton**, Department of Biology, La Jolla
Regulated ERAD by reversible misfolding
- 15:10 - 15:50 **John M. Christie**, Institute of Biomedical and Life Sciences,
University of Glasgow
Structure and function of phototropin blue light receptors
- 15:50 - 16:20 *Coffee Break*

Session 4 *chair: George Coupland, MPI Cologne*

- 16:20 - 17:00 **Matthew Freeman**, MRC Laboratory of Molecular Biology,
Cambridge
Intramembrane proteolysis by rhomboids
- 17:00 - 17:40 **Brian J. Staskawicz**, Department of Plant and Microbial Biology,
University of California, Berkeley
Molecular basis of bacterial effector activation by a host cyclophilin

End of Session

Friday, March 3, 2006

	<i>Session 5</i>	<i>chair: Dieter H. Wolf, University of Stuttgart</i>
9:15 - 9:55	Thomas Jenuwein , Research Institute of Molecular Pathology, Vienna Epigenetic control by histone methylation	
9:55 - 10:35	Bruno André , Institute of Biology, Brussels Multiple roles of ubiquitin in physiological control of yeast amino-acid transporters	
10:35 - 11:05	<i>Coffee Break</i>	
11:05 - 11:45	Mark Hochstrasser , Department of Molecular Biophysics & Biochemistry, Yale University, New Haven Trafficking of a transmembrane ubiquitin ligase to the nuclear envelope	
11:45 - 12:25	Alfred Wittinghofer , Max-Planck-Institute for Molecular Physiology, Dortmund Signalling via GTP-binding proteins	
12:25 - 14:30	<i>Lunch Break</i>	
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	<i>Session 6</i>	<i>chair: Maria Leptin, University of Cologne</i>
14:30 - 15:10	Harvey McMahon , MRC Laboratory of Molecular Biology, Cambridge BAR domain, membrane curvature and new endocytic pathways	
15:10 - 15:50	Hugh Pelham , MRC Laboratory of Molecular Biology, Cambridge Quality control of membrane proteins in the Golgi apparatus and endosomes	
15:50 - 16:20	<i>Coffee Break</i>	
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	<i>Session 7</i>	<i>chair: Maria Leptin, University of Cologne</i>
16:20 - 17:00	Jacques Neefjes , Netherlands Cancer Institute, Amsterdam The use and mis-use of protein waste	
17:00 - 17:40	Jonathan C. Howard , Institute for Genetics, University of Cologne IRG GTPases: novel effectors of cellular immunity	
	<i>End of the Meeting</i>	

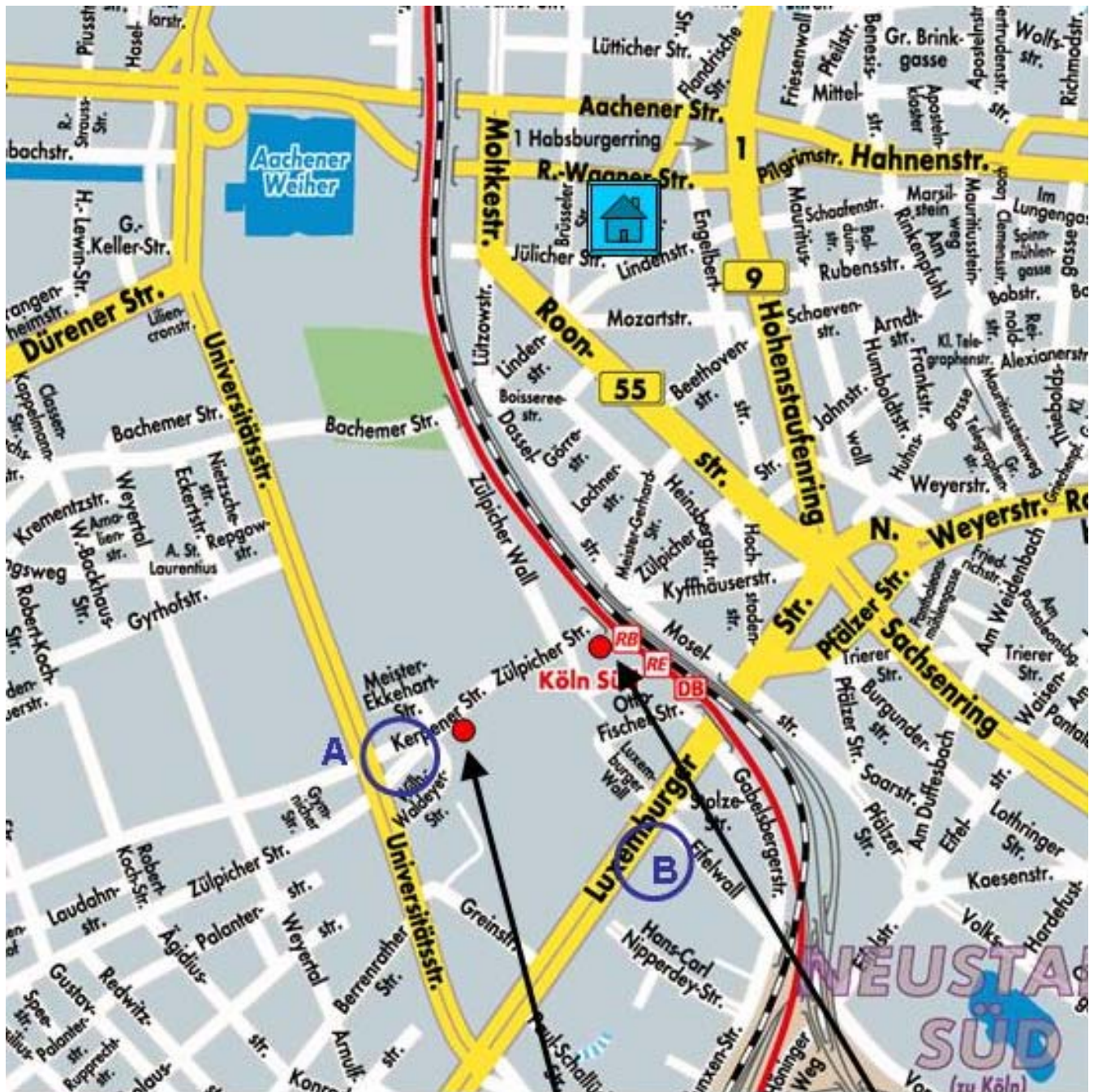
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Tram stop

A Universität (line 9),

B Eifelwall (line 18, 19)

Venue:

Physics Institute,
Zulpicher Str. 77

Institute for

Genetics,
Zulpicher Str. 47