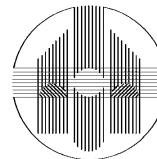


Location:

Institute of Pathology - University of Heidelberg
Im Neuenheimer Feld 220/221



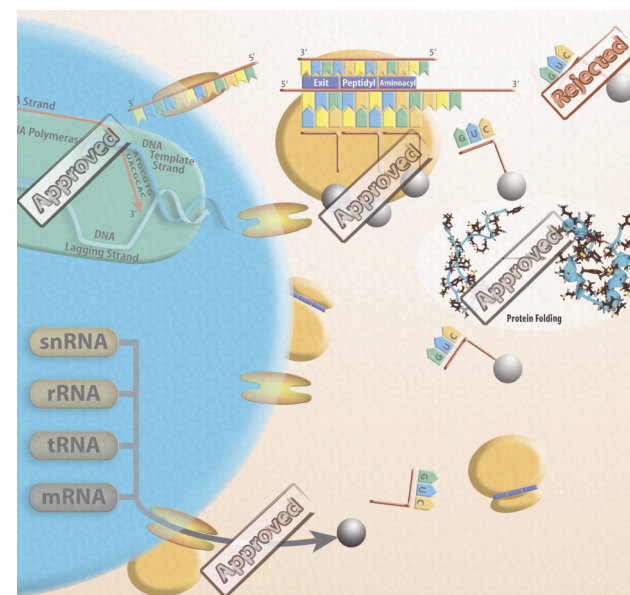
XVI ZMBH - Forum
September 21 – 23, 2006

Cellular Quality Control

Sponsors:

GK 1188 "Quantitative Analyse der dynamischen Prozesse im Membrantransport und – translokation"
SFB 638 "Dynamik makromolekularer Komplexe im biosynthetischen Transport"
SFB/TR 5 "Chromatin: Aufbau und Vererbung funktioneller Zustände"
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Organizers:

E. Schiebel, B. Bukau, C. Clayton, B. Dobberstein, M.P. Mayer

Zentrum für Molekulare Biologie (ZMBH) der Universität Heidelberg
Im Neuenheimer Feld 282
69120 Heidelberg
Germany
www.zmbh.uni-heidelberg.de

- Program -

Thursday, September 21

2.00 pm Opening Remarks: Bernd Bukau

2.15 pm Opening Lecture
Chair: Bernd Bukau
Jonathan Weissman, "*Mechanism of amyloid formation and propagation: lessons from a yeast prion*"

3.00 pm Session A: Cellular Quality Control of DNA

Chair: Renato Paro
3.00 – 3.45 pm **Stefan Jentsch**, "*Ubiquitin and SUMO as decision makers*"
3.45 – 4.30 pm **Jennifer Cobb**, "*Maintaining the replisome preserves genomic integrity*"

4.30 pm - Coffee break -

5.00 – 5.45 pm **Xuetong Shen**, "*Chromatin Responses to DNA Damage*"
5.45 – 6.30 pm **Jesper Svejstrup**, "*Contending with obstacles to transcription: chromatin and DNA damage*"

Friday, September 22

8.30 am Session B: Quality Control of Protein Folding Pathways

- in honor of Prof. Konrad Beyreuther's 65th birthday -

Chair: Konrad Beyreuther
8.30 – 9.15 am **Judith Frydman**, "*Quality Control in the eukaryotic cytosol*"
9.15 – 10.00 am **Ari Helenius**, "*Folding and quality control in the ER*"

10.00 am - Coffee break -

10.30 – 11.15 am **Daniel Finley**, "*Regulation of Proteasome Activity*"
11.15 – 12.00 pm **Christian Haass**, "*Alzheimer's Disease and Regulated Intramembrane Proteolysis*"
12.00 – 12.45 pm **Colin L. Masters**, "*Targeting misfolded/aggregated proteins for diagnostics and therapeutics in Alzheimer's and related neurodegenerative diseases*"

12.45 pm - Lunch break -

2.30 pm Session C: Quality Control in Transcription and Translation

Chair: Christine Clayton
2.30 – 3.15 pm **Karin M. Reinisch**, "*Rings around RNA: How the Ro autoantigen binds misfolded RNAs*"
3.15 – 4.00 pm **Lynne Maquat**, "*Nonsense-mediated and Staufen 1-mediated mRNA decay: Related pathways with distinct purposes*"

4.00 pm - Coffee break -

4.30 – 5.15 pm **Walter Keller**, "*Polyadenylation-mediated quality control of RNA*"
5.15 – 6.00 pm **Elisa Izaurralde**, "*mRNA quality control mechanisms regulate gene expression post-transcriptionally*"

6.45 pm - Dinner Buffet and Get Together -

Saturday, September 23

8.30 am Session D: Signal Transduction Pathways Involved in Quality Control

Chair: Bernhard Dobberstein
8.30 – 9.15 am **Don W. Cleveland**, "*Guarding the genome: the epigenetic centromere and the mitotic checkpoint*"
9.15 – 10.00 am **Andrea Musacchio**, "*The spindle assembly checkpoint: function of the Mad2 protein in space and time*"

10.00 am - Coffee break -

10.30 – 11.15 am **Vincent Geli**, "*RPA a central player of the response to telomere erosion in *S. cerevisiae**"
11.15 – 12.00 pm **Peter Walter**, "*The Unfolded Protein Response: How the ER talks to the nucleus*"
12.00 – 12.45 pm **Gerrit van Meer**, "*Lipid Quality Control; How cells deal with lipids*"

12.45 pm Closing remarks: Elmar Schiebel