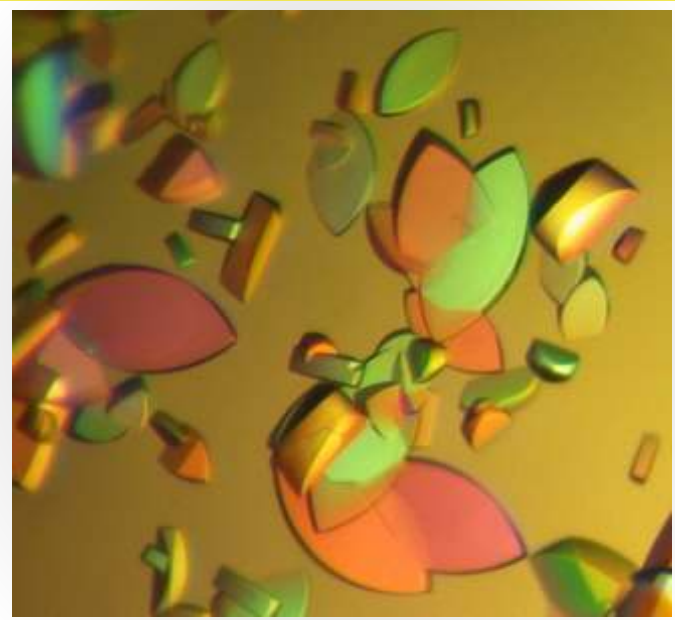


International CEF Symposium



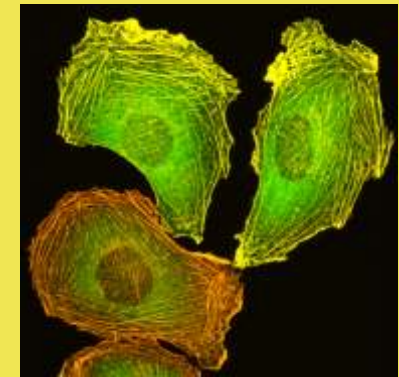
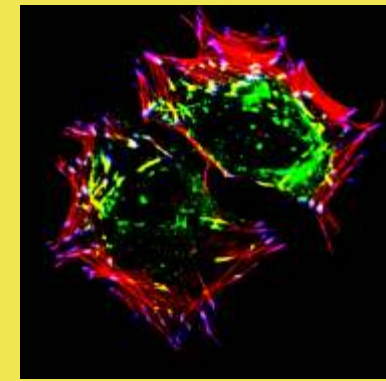
Organizers:

Amparo Acker-Palmer,
Goethe University, Frankfurt

Ivan Dikic,
Goethe University, Frankfurt

Werner Kühlbrandt,
MPI Biophysics, Frankfurt

Mark Lemmon,
University of Pennsylvania, Philadelphia



“ Macromolecular
Complexes ”

5 - 6 June 2009

CEF



Cluster of Excellence
Frankfurt

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www.cef-mc.de



Building 22

Venue:

**University Hospital,
Building 22, Goethe University,
Frankfurt am Main**

The CEF is supported by the Deutsche
Forschungsgemeinschaft

Friday, June 5th

8:30 **Opening ceremony**

1. Membrane Complexes

Chair: **Ulrich Brandt**

- 9:00 **Dirk Görlich** (MPI of Biophysical Chemistry, Göttingen)
Transport through nuclear pore complexes
- 9:40 **Robert Tampé** (CEF Frankfurt, UCSF)
The ABC of Self-defense - Antigen Translocation across Membranes
- 10:20 **Poul Nissen** (Aarhus University)
The Na⁺,K⁺-ATPase enzyme complex
- 11:00 **Coffee break**
- 11:30 **Andreas Reichert** (CEF Frankfurt)
Molecular insights into cristae formation of mitochondria
- 12:10 **Martin Pos** (CEF Frankfurt)
The AcrB Efflux Pump: Conformational cycling and peristalsis lead to multidrug resistance
- 12:50 **Christine Ziegler** (MPI of Biophysics, Frankfurt)
Structural asymmetry in the trimeric betaine transporter BetP
- 13:30 **LUNCH**

2. Macromolecular machines - visualization, complex structures and chemical intervention

Chair: **Werner Kühlbrandt**

- 14:30 **Paola Fucini** (CEF Frankfurt)
Structure and dynamic of functional ribosome complexes

15:10 **Matthias Wilmanns** (EMBL Hamburg)
Towards the overall architecture of the peroxisomal translocon

15:50 **Achilleas Frangakis** (CEF Frankfurt)
The native organization of desmosomes

16:30 **Coffee break**

17:00 **Joachim Frank** (Columbia University, New York)
The Decoding Process: Dynamics of tRNA Selection

17:40 **Nenad Ban** (ETH Zürich)
Springs, latches, hinges, tethers and switchblades: mechanistic insights into the functioning of large cellular assemblies

18:20 **Horst Vogel** (EPF Lausanne)
Investigating Cellular Signalling by Micro- and Nanotechnologies

Saturday, June 6th

3. Cell signalling complexes: structure and mechanisms

Chair: **Ivan Dikic**

9:00 **Carl-Henrik Heldin** (Ludwig Institute, Uppsala)
Signalling via receptors for PDGF and TGF-beta – possible targets in tumor therapy

9:40 **Mark Lemmon** (University of Pennsylvania)
Regulation of EGFR/ErbB Receptor Tyrosine Kinases

10:20 **Amparo Acker-Palmer** (CEF Frankfurt)
Vessel sprouting and Tumor progression: c(1)ues from neuronal guidance signaling

11:00 **Coffee break**

11:30 **John Scott** (Washington University, Seattle)
Cell Signalling in Space and Time

12:10 **Klaus-Peter Hofmann** (Charité, Berlin)
Mechanism of signal transfer from receptor to G protein: the rhodopsin transducin model

12:50 **Klaus Pfanner** (University of Freiburg)
Sorting and assembly of mitochondrial proteins

13:30 **LUNCH**

4. New Frontiers

Chair: **Mark Lemmon**

14:30 **Ari Helenius** (ETH Zürich)
Virus entry: A systems approach

15:10 **Alexander Heckel** (CEF Frankfurt)
Light-activatable Nucleic Acids

15:50 **Matthias Mann** (MPI of Biochemistry, Martinsried)
Unbiased elucidation of protein complexes by high resolution, quantitative mass spectrometry

16:30 **Coffee break**

17:00 **Jim Ferrel** (Stanford University)
The systems biology of mitosis

17:40 **Volker Dötsch** (CEF Frankfurt)
The tails of p63

18:30 **Concluding remarks:**
Organizers