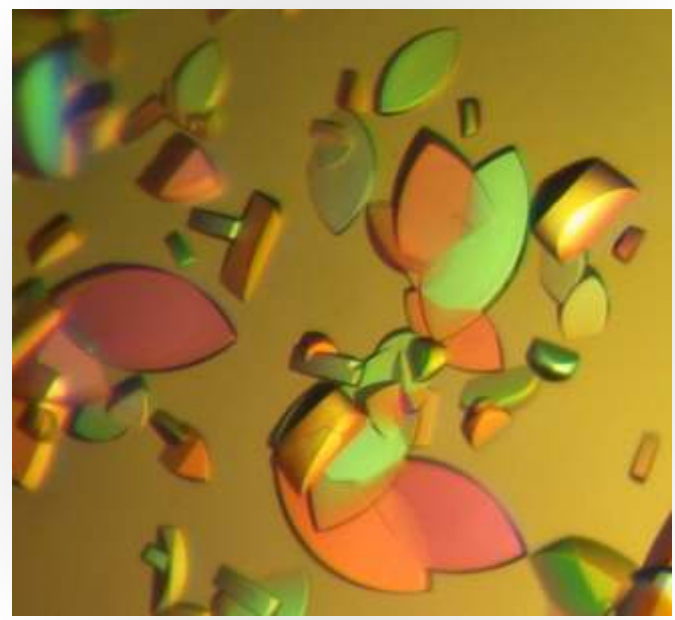


# International CEF Symposium



“ Macromolecular  
Complexes ”

5 - 6 June 2009

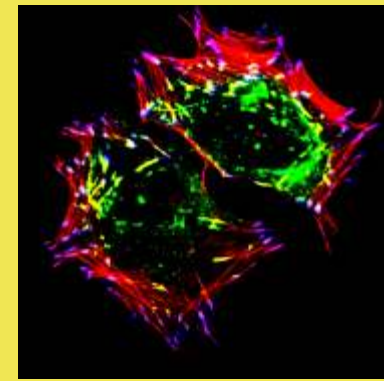
## Organizers:

**Amparo Acker-Palmer,**  
*Goethe University, Frankfurt*

**Ivan Dikic,**  
*Goethe University, Frankfurt*

**Werner Kühlbrandt,**  
*MPI Biophysics, Frankfurt*

**Mark Lemmon,**  
*University of Pennsylvania, Philadelphia*



CEF



Cluster of Excellence  
Frankfurt

[office@cef-mc.de](mailto:office@cef-mc.de)

[www.cef-mc.de](http://www.cef-mc.de)

The CEF is supported by the Deutsche  
Forschungsgemeinschaft



Building 22

## Venue:

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

Friday, June 5<sup>th</sup>

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<sup>+</sup>,K<sup>+</sup>-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 6<sup>th</sup>

## 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*