

Heidelberg Molecular Life Sciences Conference



Forum of the DKFZ-ZMBH Alliance

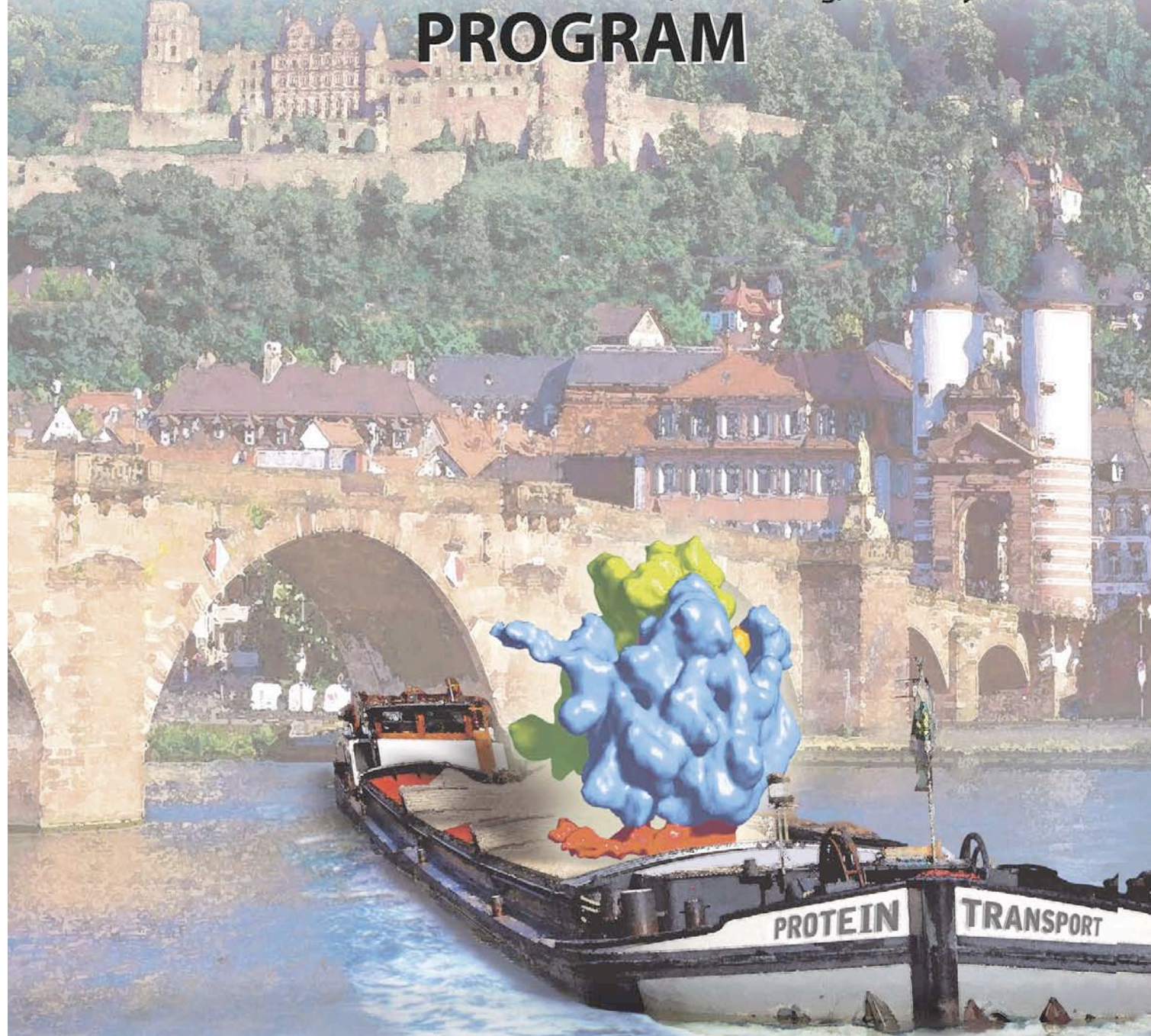
CELLULAR PROTEIN TRANSPORT

On the occasion of Bernhard Dobberstein's 65th birthday

October 1st - 3rd, 2009

at the DKFZ Communication Center, Heidelberg, Germany

PROGRAM



ZMBH



EXZELLENZCLUSTER

CellNetworks

SFB 638

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GERMAN
CANCER RESEARCH CENTER
IN THE HELMHOLTZ ASSOCIATION

Thursday October 1st

- 2.00 pm Opening remarks: Bernd Bukau & Otmar Wiestler
2.10 pm Blanche Schwappach & Stephen High *"The way is the goal - evolving views of translocation"*

2.30 – 6.30 pm Session I: Protein targeting and translocation across membranes

- Chair: Blanche Schwappach
2.30 pm **Gunnar von Heijne**, *"Insertion of transmembrane helices into the ER membrane"*
3.05 pm **Irmgard Sinning**, *"Co- and posttranslational targeting by the SRP system"*
3.40 pm **Roland Beckmann**, *"Cryo-EM snapshots of cotranslational protein transport"*
4.15 pm *coffee break*
4.45 pm **Blanche Schwappach**, *"How to avoid getting stuck in the wrong membrane - pathways in the biogenesis of tail-anchored proteins"*
5.20 pm **Stephen High**, *"Membrane protein biogenesis at the ER: small molecules, small world?"*
5.55 pm **Ineke Braakman**, *"HIV envelope folding and signal peptide cleavage"*

6.30 pm Poster session

- 6.30 pm *poster are displayed in the foyer*
evening *coming together with snacks and beer*
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Friday October 2nd**9.00 am – 10.45 pm Session II: Mitochondrial and chloroplast protein import**

- Chair: Michael Brunner
9.00 am **Nikolaus Pfanner**, *"Import and assembly of mitochondrial proteins"*
9.35 am **Toshi Endo**, *"Multiple and sophisticated pathways of mitochondrial protein traffic"*
10.10 am **Jürgen Soll**, *"Regulation of protein import into chloroplasts"*
10.45 am *coffee break*

11.15 am – 13.00 pm Session III: Endoplasmic reticulum quality control

- Chair: Tobias Dick
11.15 am **Jonathan Weissman**, *"Genome-wide in vivo analysis of translation with single codon resolution using ribosome profiling"*
11.50 am **Peter Walter**, *"Intracellular signaling in the unfolded protein response"*

12.25 pm **David Ron**, *"The unfolded protein response in a physiological context"*

1.00 pm – 3.00 pm Poster session

1.00 pm *poster are displayed in the foyer*

3.00 pm – 5.50 pm Session IV: Intracellular protein transport

Chair: Matthias Seedorf

3.00 pm **Graham Warren**, *"Biogenesis of the Golgi apparatus"*

3.35 pm **Peter Mayinger**, *"Role of phosphoinositides in trafficking from the Golgi"*

4.10 pm *coffee break*

4.40 pm **Kai Simons**, *"Lipid rafts and membrane trafficking"*

5.15 pm **Frauke Melchior**, *"SUMOylation at nuclear pore complexes"*

Saturday October 3rd

9.00 am – 9.45 am Keynote lecture

Chair: Bernhard Dobberstein

Günter Blobel, *"Transport through the nuclear pore complex"*

9.45 am *coffee break*

10.15 – 12.30 pm Session V: Protein transport and pathogens

Chair: Marius Lemberg

10.15 am **Ari Helenius**, *"Virus entry: navigating through the endosomal network"*

10.50 am **Jean Pieters**, *"Survival of Mycobacterium tuberculosis within host cells: maintaining the balance"*

11.25 am **Hidde Ploegh**, *"Quality control and the endoplasmic reticulum in host defense"*

12.00 pm **Bernhard Dobberstein**, *"Concluding remarks"*

Location: German Cancer Research Center (DKFZ) - Communication Center
Im Neuenheimer Feld 280, 69120 Heidelberg, Germany

Organized by Bernd Bukau, Tobias Dick, Marius Lemberg, and Felix T. Wieland
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