

# EMBO-CONFERENCE “PROTEIN TARGETING AND TRANSLOCATION”

SEPTEMBER 30 – OCTOBER 05, 2006

## PROGRAMME

### Saturday 30<sup>th</sup> September

16<sup>00</sup> – 18<sup>00</sup> Registration

18<sup>00</sup> – 18<sup>15</sup> Opening address

#### BACTERIAL PROTEIN TRANSPORT

18<sup>15</sup> – 19<sup>00</sup> **Arnold Driessen**      **NETHERLANDS**  
*How bacterial translocase differentiates between signal sequences and transmembrane domains*

19<sup>00</sup> – 19<sup>45</sup> **Matthias Mueller**      **GERMANY**  
*SecA-mediated transfer of a translocating protein from the SecYEG translocon to a periplasmic chaperone*

20<sup>00</sup> Dinner, followed by informal get together

### Sunday 1<sup>st</sup> October

9<sup>00</sup> – 9<sup>45</sup> **Jan Tommassen**      **NETHERLANDS**  
*Biogenesis of bacterial outer membrane proteins*

9<sup>45</sup> – 10<sup>30</sup> **Gabriel Waksman**      **UNITED KINGDOM**  
*Structural Biology of pilus Biogenesis and Type IV secretion in Gram-negative bacterial pathogens*

10<sup>30</sup> – 11<sup>00</sup> Coffee break

11<sup>00</sup> – 11<sup>45</sup> **Anthony Pugsley**      **FRANCE**  
*Protein fatty acylation and sorting within the cell envelope of Gram-negative bacteria*

Short talks:  
11<sup>45</sup> – 12<sup>45</sup> **Jan M. van Dijk**  
**Eric Cascales**  
**Jan-W. de Gier**  
**Thomas Brueser**

13<sup>00</sup> – 15<sup>00</sup> Lunch

## MEMBRANE PROTEIN INSERTION

- 15<sup>00</sup> – 15<sup>45</sup> **Frank Sargent** **UNITED KINGDOM**  
*The anti-transport activity of the bacterial Tat system*
- 15<sup>45</sup> – 16<sup>30</sup> **Johannes M. Herrmann** **GERMANY**  
*Mba1, a membrane-associated ribosome receptor in mitochondria*
- 16<sup>30</sup> – 17<sup>00</sup> Coffee break
- 17<sup>00</sup> – 17<sup>45</sup> **Tassos Economou** **GREECE**  
*The bacterial Sec translocase nanomachine: from structure to mechanism*
- 17<sup>45</sup> – 19<sup>00</sup> Poster session
- 19<sup>00</sup> – 21<sup>00</sup> Dinner
- 21<sup>00</sup> Round table discussion

## Monday 2<sup>nd</sup> October

### PROTEIN IMPORT INTO CHLOROPLASTS

- 9<sup>00</sup> – 9<sup>45</sup> **Hsou-Min Li** **TAIWAN**  
*Chloroplast protein translocation steps coordinated by cochaperone Tic40*
- 9<sup>45</sup> – 10<sup>30</sup> **Felix Kessler** **SWITZERLAND**  
*Homotypic GTPases in chloroplast protein import*
- 10<sup>30</sup> – 11<sup>00</sup> Coffee break
- 11<sup>00</sup> – 11<sup>45</sup> **Jürgen Soll** **GERMANY**  
*Transport mechanisms and their regulation in chloroplasts*
- Short talks:  
11<sup>45</sup> – 12<sup>45</sup> **Inhwan Hwang**  
**Wolfgang Loeffelhardt**  
**Birgitta Norling**  
**Masato Nakai**
- 13<sup>00</sup> – 15<sup>00</sup> Lunch
- 15<sup>00</sup> – 15<sup>45</sup> **Paul R. Jarvis** **UNITED KINGDOM**  
*Genetic studies on the chloroplast protein import apparatus in Arabidopsis*
- 15<sup>45</sup> – 16<sup>30</sup> **Danja Schuenemann** **GERMANY**  
*Analysis of the protein-protein interactions during protein transport to the thylakoid membrane of chloroplasts*
- 16<sup>30</sup> – 17<sup>00</sup> Coffee break

### PROTEIN IMPORT INTO MITOCHONDRIA

- 17<sup>00</sup> – 17<sup>45</sup> **Dejana Mokranjac GERMANY**  
*Pathways and mechanisms of protein sorting in mitochondria*
- 17<sup>45</sup> – 19<sup>00</sup> Poster session
- 19<sup>00</sup> – 21<sup>00</sup> Dinner
- 21<sup>00</sup> Round table discussion

### Tuesday 3<sup>rd</sup> October

- 9<sup>00</sup> – 9<sup>45</sup> **Nikolaus Pfanner GERMANY**  
*The protein import machinery of mitochondria*
- 9<sup>45</sup> – 10<sup>30</sup> **Toshi Endo JAPAN**  
*Mitochondrial protein translocators as protein nano-machines*
- 10<sup>30</sup> – 11<sup>00</sup> Coffee break
- 11<sup>00</sup> – 11<sup>45</sup> **Elzbieta Glaser SWEDEN**  
*A novel mitochondrial and chloroplast peptidasome - function and crystal structure at 2.1Å*  
Short talks:  
**Ute Vothknecht**  
**Carla Koehler**  
**Kostas Tokatlidis**  
**Jude Przyborski**
- 11<sup>45</sup> – 12<sup>45</sup>
- 13<sup>00</sup> – 15<sup>00</sup> Lunch
- Afternoon free**
- 20<sup>00</sup> Dinner

### Wednesday 4<sup>th</sup> October

### PEROXISOMAL PROTEIN TRANSPORT

- 9<sup>00</sup> – 9<sup>45</sup> **Ralf Erdmann GERMANY**  
*Import into peroxisomes: the transient pore model*
- 9<sup>45</sup> – 10<sup>30</sup> **Paul Lazarow USA**  
*Peroxisome biogenesis - a receptor that recycles into and back out of the organelle*
- 10<sup>30</sup> – 11<sup>00</sup> Coffee break

- 11<sup>00</sup> – 11<sup>45</sup> **Ida J. van der Klei** **NETHERLANDS**  
*Co-factor binding in the cytosol is a critical step in import of peroxisomal enzymes*  
Short Talks:  
11<sup>45</sup> – 12<sup>45</sup> **Ralf Bernd Kloesgen**  
**Wolfgang Voos**  
**Katharina Strub**  
**Steven White**
- 13<sup>00</sup> – 15<sup>00</sup> Lunch

**TRANSPORT AND ASSEMBLY AT THE ENDOPLASMIC RETICULUM**

- 15<sup>00</sup> – 15<sup>45</sup> **Richard Zimmermann** **GERMANY**  
*The protein translocase of the ER: a ligand activated ion channel powered by molecular chaperones ?*
- 15<sup>45</sup> – 16<sup>30</sup> **Ramanujan Hegde** **USA**  
*Regulation of protein translocation into the ER*
- 16<sup>30</sup> – 17<sup>00</sup> Coffee break
- 17<sup>00</sup> – 18<sup>00</sup> Short talks:  
**Kirstin Model**  
**Kakoli Mitra**  
**Katja Kapp**  
**Ana Sauri**
- 18<sup>00</sup> – 19<sup>00</sup> Special Discussion on Future Developments in the Field
- 19<sup>00</sup> – 21<sup>00</sup> Dinner
- 21<sup>00</sup> Poster Party

**Thursday 5<sup>th</sup> October**

- 9<sup>00</sup> – 9<sup>45</sup> **Colin J. Stirling** **UK**  
*Assembly of functional translocons in the yeast ER*
- 9<sup>45</sup> – 10<sup>30</sup> **Gunnar von Heijne** **SWEDEN**  
*Membrane protein assembly in the ER*
- 10<sup>30</sup> – 11<sup>15</sup> **Irmisinning** **GERMANY**  
*Dynamic changes in SRP and SR regulate protein transport*
- 11<sup>15</sup> – 11<sup>30</sup> Closing Remarks
- 11<sup>30</sup> – 13<sup>00</sup> Lunch
- 13<sup>00</sup> Departure