

ABCD Meeting
“Membrane Trafficking and Organelle Biogenesis”
Bertinoro, 3-4 April 2009

Programme

Friday, 3 April

13:00-14:00 Lunch

14:30-15:50 **Session I » Endoplasmic reticulum: biogenesis and homeostasis**
(Chair: *Nica Borgese*)

14:30-14:50 *Jessica Maiuolo (Catanzaro)* A cell model to investigate the mechanism of endoplasmic reticulum expansion in response to increased expression of ER membrane proteins

14:50-15:10 *Roberto Sitia (Milan)* Physiology of ER-to-Golgi protein transport

15:10-15:30 *Giuseppina Amodio (Fisciano)* Endoplasmic reticulum stress reduces the export from the ER of the VSV G glycoprotein and alters the architecture of post-ER compartments

15:30-15:50 *Elisa Mazzoli (Siena)* YIP1 isoforms in skeletal muscle

16:00-16:30 Coffee break

16:30-17:30 **Guest lecture**

Volker Haucke (Berlin)

Regulation of vesicle-mediated membrane traffic at synapses and beyond

17:30-19:10 **Session II » Intracellular traffic in neurons**
(Chair: *Ornella Rossetto*)

17:30-17:50 *Gaia Berto (Turin)* Down Critical Region-encoded protein TTC3 inhibits neuronal differentiation in hippocampal neurons

17:50-18:10 *Eugenio Fornasiero (Milan)* Membrane trafficking in neuronal development

18:10-18:30 *Aram Megighian (Padua)* The role of the *Drosophila melanogaster* SNAP-25 C-terminal region in neurotransmitter release

18:30-18:50 *Claudia Verderio (Milan)* Mechanism of microparticle release from glial cells. Role of glia-derived microparticles in the control of neuronal activity

18:50-19:10 *Elisabetta Menna (Milan)* Eps8 regulates axonal filopodia in hippocampal neurons in response to BDNF

19:30-20:00 General discussion and election of Vice-Chairman for next year

20:00-21:00 Dinner

Saturday, 4 April

8:30-9:10 Session III » Mitochondrial biogenesis (Chair: Simona Paladino)

- 8:30-8:50 *Simona Reina (Catania)* Swapping of VDAC domains to investigate structure-function relationships
- 8:50-9:10 *Teresa Rinaldi (Rome)* Dissection of the carboxyl-terminal domain of the proteasomal subunit Rpn11 in maintenance of mitochondrial structure and function

9:20-11:00 Session IV » From outside to inside the cells: (Chair: Carlo Tacchetti)

receptor trafficking

- 9:20-9:40 *Erika Donà (Milan)* G-protein dependent trafficking of the oxytocin receptor
- 9:40-10:00 *Monica Fabbri (Milan)* β -arrestins are required for the induction and strengthening of shear stress-resistant adhesion during leukocyte extravasation
- 10:00-10:20 *Katia Cortese (Genoa)* High resolution study of stimulated ErbB2 endocytosis

endocytosis of virulence factors

- 10:20-10:40 *Lucia Brandi (Padua)* Anthrax toxins: following their way inside host cells
- 10:40-11:00 *Zulema Antonia Percario (Rome)* HIV-1 Nef protein is able to enter human primary macrophages activating signal transduction events through a mechanism IRAK1 degradation – independent

11:10-11:30 Coffee break

11:30-13:10 Session V » Intracellular traffic and organelle biogenesis in diseases (Chair: Lucio Nitsch)

- 11:10-11:30 *Antonella De Jaco (Rome)* Trafficking of Neuroligin3 and disease-associated mutations
- 11:30-11:50 *Maria Vittoria Barone (Naples)* Gliadin peptide P31-43 enhances IL15 activity by interfering with its intracellular trafficking
- 11:50-12:10 *Ilaria Palmisano (Milan)* OA1, an intracellular G protein-coupled receptor, regulates both melanosome biogenesis and transport in pigment cells
- 12:10-12:30 *Daniela Sarnataro (Naples)* Analysis of intracellular localization and interaction between Prion Protein (PrP^C) and its homolog Doppel
- 12:30-12:50 *Elisa Fasana (Milan)* The early steps in the biogenesis of VAP-B and its mutant form associated with amyotrophic lateral sclerosis
- 12:50-13:10 *Riccardo Ronzoni (Milan)* Protein folding, protein degradation and quality control in a model of protein misfolding disease

13:30 Lunch and departure