

ABCD Meeting “Membrane Trafficking and Organelle Biogenesis”
Pontignano (Siena), April 11-12 2008

Program

Friday, April 11th

13:00-14:00 *lunch*

**14:30-16:10 Session I: Endoplasmic Reticulum: Biogenesis and Homeostasis
(chaired by Roberto Sitia)**

14:30-14:50 *P. Ronchi* (Milano) “Transmembrane domain-dependent partitioning of membrane proteins within the endoplasmic reticulum”

14:50-15:10 *F. Benini* (Siena) “Different regions mediate targeting of triadin to the junctional sarcoplasmic reticulum membranes”

15:10-15:30 *R. Sitia* (Milano) “Ero1 and ERp44 cooperatively couple redox and Ca²⁺ homeostasis and signalling at the endoplasmic reticulum-mitochondria interface”

15:30-15:50 *R. Tufi* (Roma) “Reduction of endoplasmic reticulum Ca²⁺ levels favors plasma membrane surface exposure of calreticulin”

15:50-16:10 *C. Tacchetti* (Genova) “A novel high data output and 3D correlative microscopy method”

16:10-16:40 *coffee break*

**16:40-18:20 Session II: Trafficking and Signaling through the Golgi Complex
(chaired by Antonino Colanzi)**

16:40-17:00 *M. Sallese* (Chieti) “A traffic-activated Golgi-based signaling circuit coordinates the secretory pathway”

17:00-17:20 *M. Capitani* (Chieti) “Src kinase regulates the secretory function and structural integrity of the Golgi complex via activation of dynamin 2”

17:20-17:40 *A. Colanzi* (Chieti) “The separation of the Golgi ribbon into separate stacks in G2 is required to enter into mitosis”

17:40-18:00 *A. Persico* (Chieti) “The role of the Golgi complex fragmentation in the regulation of G2/prophase transition”

18:00-18:20 *M.S. Fabbrini* (Milano) “*Pichia pastoris* as a host for secretion of saporin-based chimeras with anticancer potential”

18:30-19:30 Guest lecture: Catherine Rabouille (CMC, Utrecht, The Netherlands)
"dGRASP, the Golgi, and the unconventional secretion"

20:00-21:00 *dinner*

21:00- “Wine and billiards”

Saturday, April 12th

8:30-9:50 Session III: **Intracellular traffic in neurons (chaired by Patrizia Rosa)**

- 8:30-8:50 *L.E. Perlini* (Milano) "Molecular mechanisms of synapse organization: the role of synapsins"
- 8:50-9:10 *A. Linetti* (Milano) "The synaptic vesicle cycle is affected by cholesterol depletion"
- 9:10-9:30 *M. Zordan* (Padova) "A lysolecithin/fatty acid mixture promotes and then blocks neurotransmitter release at the *Drosophila melanogaster* larval neuromuscular junction"
- 9:30-9:50 *M. Paoli* (Padova) "Mechanism of action of presynaptic snake PLA2 neurotoxins"

9:50-10:20 *coffee break*

10:20-12:00 Session IV: **Endocytic compartments, plasma membrane and polarity (chaired by Giovanna Mottola)**

- 10:20-10:40 *V. Margaria* (Torino) "A novel Rab5-based signaling pathway participates in centrosome cohesion"
- 10:40-11:00 *F. Acconcia* (Milano) "The role of myosin VI in intracellular trafficking and cell migration"
- 11:00-11:20 *N. Pengo* (Milano) "Protective autophagy during terminal plasma cell differentiation"
- 11:20-11:40 *S. Paladino* (Napoli) "Analysis of mechanisms of sorting of GPI-anchored proteins in polarized epithelial cells: role of the GPI-anchor and ectodomain"
- 11:40-12:00 *G. Mottola* (Napoli) "Endocytosis and the Rab5 effector Rabenosyn-5 in planar cell polarity"

12:00-12:30 General discussion: Election of Vice-Chairman for next year

12:30-13:30 *Lunch*

13:30-15:10 Session V: **Intracellular traffic and organelle biogenesis in diseases (chaired by Maria Vittoria Barone)**

- 13:30-13:50 *M.V. Egorov* (Chieti) "FGD1 (Faciogenital dysplasia protein) involved in regulation"
- 13:50-14:10 *I. Iaccarino* (Napoli) "Identification of Praf2 as a novel BCL-XL interacting protein"
- 14:10-14:30 *M.V. Barone* (Napoli) "Gliadin peptide P31-43 interferes Hrs (Hepatocyte growth factor-Regulated tyrosine kinase Substrate) localization to endocytic vesicles: implications for celiac disease"

- 14:30-14:50 A. *Rabellino* (Genova) “Trastuzumab induces ERB2 signaling and endocytic events in a breast cancer cell line”
- 14:50-15:10 P. *Falletta* (Genova) “OA1 signaling pathway: role in melanosome biogenesis and melanoma progression”
- 15:10 Closing remarks