



SPHINGOLIPID CLUB

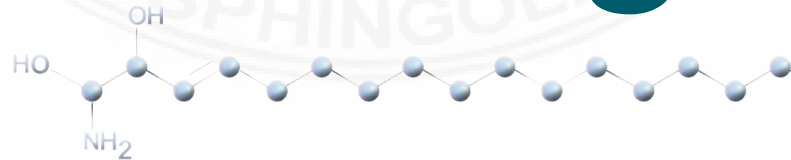
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we are sphingolipids



14th SLC Meeting





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Friday, Sept. 9, 2022

Neuromed Research Centre, Pozzilli

09:00-11:05 **SESSION 3**

Sphingolipid biology: mechanisms and tools (I)

Chairs: **Francois Paris** (Nantes, FR)

Andrea Huwiler (Bern, CH)

09:00-09:25 **Antonella De Matteis** (Telethon Institute of Genetics and Medicine, IT)
ER-Golgi contact sites: regulators and targets of sphingolipid

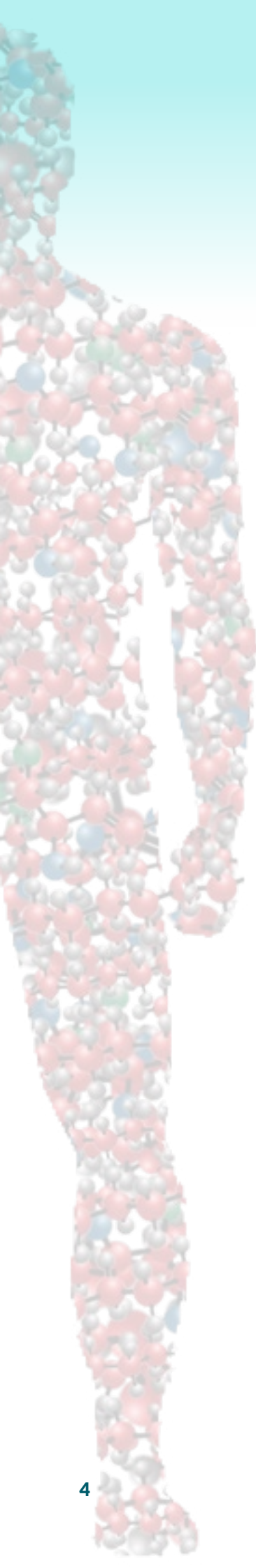
09:25-09:40 **Marco Trinchera** (University of Insubria, IT)
Bi-allelic inactivating variants of Lactosylceramide Synthase B4GALT5 responsible for a novel congenital disorder of glycosylation involving glycosphingolipids

09:40-09:55 **Roxana Manaila** (University of Bern, CH)
Sphk1 and sphk2 differentially regulate erythropoietin synthesis in mouse renal interstitial fibroblast-like cells

09:55-10:10 **Tanes Imamura de Lima** (École Polytechnique Fédérale de Lausanne, CH)
Inhibition of *de novo* ceramide synthesis restores mitochondrial and protein homeostasis in muscle aging

10:10-10:25 **Caterina Giovagnoni** (Maastricht University, NL)
Function of ceramide transfer protein for biogenesis and sphingolipid composition of extracellular vesicles

10:25-10:50 **Webster Santos** (Virginia Tech, US)
Discovery, structure-activity relationship studies, and in vivo activity of sphingosine-1-phosphate transporter spns2



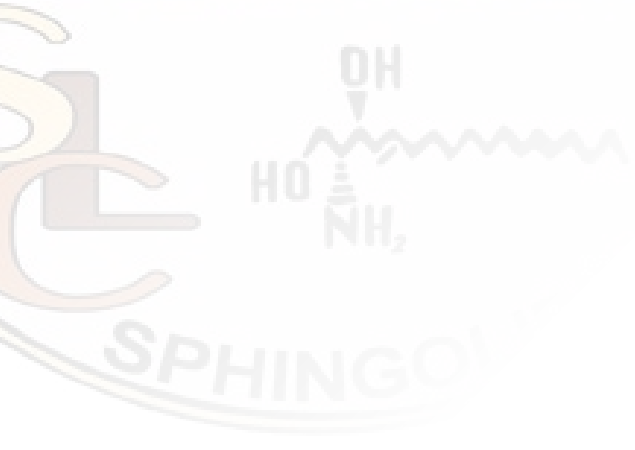
- 10:50-11:05 **Michele Dei Cas** (University of Milan, IT)
Mass spectrometry measurement of sphingolipids delta-4-desaturase 1 activity and its application in related genetic diseases
- 11:05-11:20 *Coffee break*
- 11:20-13:00 **SESSION 3**
Sphingolipid biology: mechanisms and tools (II)
Chairs: **Dagmar Meyer zu-Heringdorf** (Frankfurt, DE)
Massimo Aureli (Milan, IT)
- 11:20-11:35 **Philippe Guerre** (ENVT Toulouse, FR)
Targeted sphingolipid analysis suggests mechanisms of fumonisin toxicity in chickens differs depending on the organ studied
- 11:35-12:00 **Tsaffrir Zor** (Tel Aviv University, IL)
Short fatty acid sulfatides are endogenous ligands for TLR4/MD-2
- 12:00-12:15 **Tristan Martineau** (Université de Sherbrooke, CA)
Urine screening test using a tandem mass spectrometry approach for early detection of lysosphingolipidoses
- 12:15-12:30 **Camillo Morano** (University of Milan, IT)
A new “how to” in sphingolipidomics as a tool for a common sample handling and analysis
- 12:30-12:45 **Essa M. Saied** (Humboldt-Universität zu Berlin, DE)
Discovery of the first selective and drug-like small molecule inhibitors of Alkaline Ceramidase 3
- 12:45 -13:00 **Stefano Piotto** (University of Salerno, IT)
Mechanistic study of the role of hydroxylation of sphingolipids

13:00-15:00 *Lunch and Poster viewing*

15:00-20:30 *Social time: Picture time and visit to Agnone*

20:30 *Dinner*





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LOCATION

