

II SPHINGOLIPID CLUB MEETING

Sale Marasino, June 3-4, 2003

PROGRAM

Tuesday, June 3, 2003 – Hotel Villa Bredina

12:00 - 13:30 *Registration and check-in*

13:30 – 14:30 *Coffee and welcome*

14:30 - 14:40 *Opening remarks*

14:40 - 15:20 Keynote Lecture

T. Levade (*Toulouse, FR*)

Sphingolipids as regulators of cell death: facts and uncertainties

15:20 - 16:40 Session 1 – Chemistry and Biochemistry

Chair: **A. Alexandre** (*Padova, IT*)

15:20 - 15:40 **M. Macchia** (*University of Pisa, IT*)

Design and synthesis of ceramide analogues as a new strategy for anticancer drug development

15:40 - 16:00 **G. Perrella** (*University of Udine, IT*)

Sphingomyelin metabolism modifications in response to the effect of the UV and cosmic (stratospheric) radiation

16:00 - 16:20 **M. Garcia-Gil** (*University of Pisa, IT*)

Serum deprivation activates the sphingomyelin metabolism in neuronal cell nuclei

16:20 - 16:40 *Coffee break*

16:40 - 18:20 Session 2 – Cell Biology

Chair: **B. Berra** (*Milano, IT*)

16:40 - 17:10 **C. Isidoro** (*University of Piemonte Orientale, IT*) Overview lecture

Lysosomes, cell death and drug resistance in cancer: when sphingolipids and cathepsins get together

17:10 - 17:40 **C. Gianinazzi** (*University of Piemonte Orientale, IT*)

The impact of ceramide on lysosomal targeting: a study with wild-type and glycosylation knock-out mutated Cathepsin D-green fluorescent protein chimeras

17:40 - 18:00 **F. Scarlatti** (*University of Milan, IT*)

Role of ceramide in the control of autophagy in colon cancer cells

18:00 - 18:20 **E. Albi** (*University of Perugia, IT*)
The sphingomyelinase activity regulates the cholesterol level in the nucleus

20:00 - *Social dinner at Monte Isola*

Wednesday, June 4, 2003 –

09:00 - 10:40 Session 3 – Cell Regulation

Chairs: **Y. Hannun** (Charleston, US)

09:00 - 09:20 **I. Cavallini** (*University of Padova, IT*)
Possible mechanisms of inhibition of human PBL proliferation by DMS, an inhibitor of sphingosine kinase

09:20 - 09:40 **G. Muzio** (*University of Turin, IT*)
Composition in polyunsaturated fatty acids of membrane phospholipids is involved in the regulation of cell proliferation in tumor human cell lines

09:40 - 10:00 **R. Granata** (*University of Turin, IT*)
Involvement of the de novo ceramide synthesis in IGF1P-3-mediated endothelial cell apoptosis

10:00 - 10:20 **A. Aspesi** (*University of Piemonte Orientale, IT*)
Modifying the cellular response to ceramide-mediated stress by gene manipulation of lysosomal Cathepsin D expression

10:20 - 10:40 **D. Pace** (*University of Piemonte Orientale, IT*)
Differentiation and cell-signaling: ceramide-dependent modulation of neuroblastoma cell viability

10:40 - 11:00 *Coffee break*

11:00 - 12:50 Session 4 –

Chairs: **L. Obeid** (Charleston, US)

11:00 - 11:30 **B. Berra** (*University of Milan, IT*) Overview lecture
Preliminary data on glycol(sphingo)lipid amount and distribution in foods

11:30 - 11:50 **A. Fanzani** (*University of Brescia, IT*)
Overexpression of cytosolic sialidase Neu2 induces myoblast differentiation in C2C12

11:50 - 12:10 **B. Tommasini** (*University of Rome, IT*)
Calnexin suppresses GD3 synthase-induced apoptosis

12:10 - 12:30 **E. Sottocornola** (*University of Milan, IT*)
Isolation and characterization of the GM3 synthase cDNA from human placenta

12:30 - 12:50 **M. Trinchera** (*University of Insubria, IT*)
Cancer-associated suppression of β 3gal-T5 reduces Sialy-Lewis A and enhances
Sialyl-Lewis X and poly-N-acetyllactosamines

12:50 - 13:00 *Closing Remarks*

13:00 - 14:00 *Lunch*

14:00 - 15:00 *General Meeting of the SLC*

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