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<http://www.gemgerli2013.fr>

16th GEM - 10th GERLI meeting

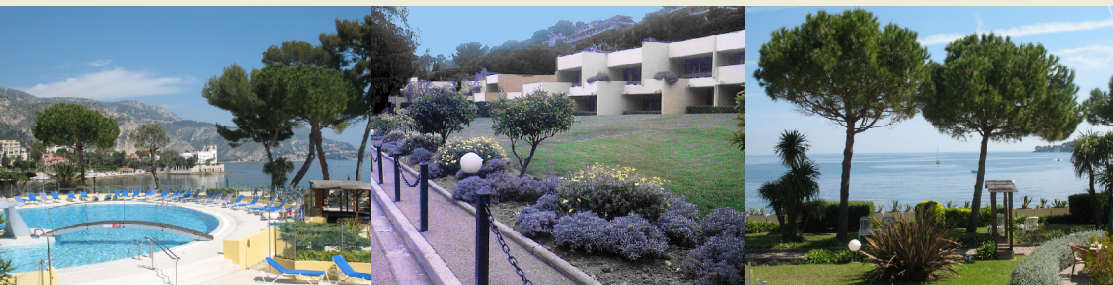
GEM/GERLI lipidomics meeting

from
Membranes
to
Pathologies



November 10-14, 2013, Saint-Jean-Cap-Ferrat, France

The “Groupe d’Etude des Membranes-GEM” and the “Groupe d’Etude et de Recherche en Lipidomique-GERLI” are two French societies with respective expertise in membrane biophysics and lipidomics. They usually organize their own international meetings every year or so. For the first time, they will organize a joint meeting (16th GEM/10th GERLI meeting) from November 10 to 14, 2013 in Saint-Jean-Cap-Ferrat, in the South-East of France. The specific aims of this meeting will be to discuss cutting-edge research on membrane components, ie lipids and membrane proteins, from their biophysical and biochemical properties to their specific functions in human physiology and therapeutic applications in pathological situations. The attendance at the meeting will be limited to 160 persons, in a format that will encourage interactive discussions of latest research in these areas. The meeting will take place at the 3-star **Hotel-Club DELCLOY**, a hotel situated in a park of 3 ha with a beautiful view over the « Baie des Fourmis », in the lovely peninsula of Saint-Jean-Cap-Ferrat. Saint-Jean-Cap-Ferrat is one of the most attractive locations within the French Riviera, in the South-East of France.



*** Hotel-Club DELCLOY



Speakers and Sessions

Sunday Nov 10

Keynote lecture

Sarah Spiegel (USA) Sphingosine-1-phosphate at the nexus between inflammation and cancer

Monday Nov 11

I. Lipids in the French Riviera: skin and sun, olfaction and perfumes

Joke Bouwstra (NL): Skin lipid biosphysics and the consequences for the skin barrier

Emmanuelle Jacquin-Joly (FR): Sex in the night: fatty acid derived pheromones and corresponding membrane receptors in insects

II. Model membranes and molecular interactions

Patricia Bassereau (FR): Model membrane systems as tools for cell biology questions

Klaus Gawrisch (USA): The role of lipids for function of rhodopsin-like G protein-coupled membrane receptors

Michel Lagarde (FR): Docosahexaenoic acid in pathophysiology: metabolism and tissue targeting

Tuesday Nov 12

III. PUFAs, PLA2s and associated pathologies

Gérard Ailhaud (FR): Omega 6 intake : impact on inflammation and obesity

Makoto Murakami (JP): Novel insights into sPLA2s in health and disease

IV. Lipids and membrane imaging

Mitsutoshi Setou (JP): Lipid imaging with mass spectrometry

Simon Scheuring (FR): Membrane-mediated protein-protein interactions visualised by high-speed atomic force microscopy

Guy Duportail (FR): Fluorescent probes and membrane biophysics. A 35 years love story

Wednesday Nov 13

V. Lipids in Immunology

Eric Boilard (CA): The impact of lipid mediators derived from platelet microparticles on inflammation

François Trottein (FR): Mode of activation and role of invariant NKT cells, a population of lipid-reactive innate immune cells, during infection

VI. Membrane trafficking

Margaret Robinson (UK): A human genome-wide screen for regulators of clathrin-coated vesicle formation reveals an unexpected role for the V-ATPase

Annette Draeger (CH): Plasma membrane repair and cellular damage control

Thursday Nov 14

VII. Lipids, lipid enzymes, channels and receptors in cancer

Natalia Prevarskaia (FR): Complex regulation of TRPM8 channel: role of lipids and phospholipases

Wouter Moolenaar (NL): Autotaxin-LPA signaling: role in health and disease

VIII. Lipid-based drug delivery, therapy and diagnosis

Gillian Barratt (FR): Lipid-based nanosystems for the delivery of anti-infectious agents

Michael Gelb (USA): Analysis of lipidic enzyme products using tandem mass spectrometry for newborn screening of lysosomal storage diseases