



LIPIDS IN AGRONOMY, HEALTH, AND DISEASE

INVITED SPEAKERS

SUNDAY AFTERNOON • OCTOBER 25

- ♦ **Jean-Marc Jeltsch**, Deputy President, Université de Strasbourg
Henry Dreyfus, honorary Directeur de Recherche, Institut des Neurosciences Cellulaires et Intégratives
- ♦ **Gerhard Liebisch**, Institute of Clinical Chemistry and Laboratory Medicine, University of Regensburg, Germany
Quantitative and metabolic profiling of lipid species
- ♦ **Philippe Huguency**, Santé de la Vigne et Qualité du Vin, Institut National de la Recherche Agronomique, Colmar, France
Prenol lipids of grapevine and aromas of alsacian wines

MONDAY • OCTOBER 26

CHEMISTRY AND PHYSICS OF MEMBRANE LIPIDS AND DRUG DELIVERY

- ♦ **Patrick Couvreur**, Institut Galien, Faculté de Pharmacie, Université Paris-Sud, Châtenay Malabry, France
Squalene based-nanomedicine
- ♦ **Andrey Klymchenko**, Laboratoire de Biophotonique et Pharmacologie, Université de Strasbourg, Illkirch, France
Fluorescence imaging of biomembranes and lipid nanocarriers

LIPID MODIFICATION FOR PROTEIN FUNCTION

- ♦ **Herbert Waldmann**, Max Planck Institute of Molecular Physiology, Dortmund, Germany
Chemical biological modulation of Ras-signalling
- ♦ **Marina Rautenbach**, Stellenbosch University, Department of Biochemistry, Stellenbosch, South Africa
Membranolytic activity of the tyrosidines against filamentous fungi

LIPID TRANSPORT

- ♦ **Fred Maxfield**, Department of Biochemistry, Weill Cornell Medical College, New York, USA
Intracellular sterol transport
- ♦ **Guillaume Drin**, Institut de Pharmacologie Moléculaire et Cellulaire, Université de Nice Sophia-Antipolis, France
ORP/Osh proteins: PI(4)P-driven exchangers for creating lipid gradients within the cells

TUESDAY • OCTOBER 27

LIPID ANALYSIS

- ♦ **Laura Nyström**, Institute of Food Nutrition and Health, ETH Zürich, Switzerland
High-resolution mass spectrometry and lipidomics for lipid identification and sample differentiation
- ♦ **Toshihide Kobayashi**, Lipid Biology Laboratory, RIKEN, Wako-shi, Saitama, Japan
Imaging lipids and lipid domains

PLANT LIPIDOMICS AND THE AGRI-RESOURCES

- ♦ **Ljudmilla Borisjuk**, Leibniz-Institut für Pflanzengenetik und Kulturpflanzenforschung, Gatersleben, Germany
NMR imaging of lipids in plants and seeds
- ♦ **Yariv Brotman**, Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany
Plant lipidomes in agronomy and breeding

WEDNESDAY • OCTOBER 28

METABOLISM OF LIPIDS IN CANCER

- ♦ **Marc Poirot**, Cancer Research Center of Toulouse, INSERM-University of Toulouse, France
Cholesterol metabolism and cancer
- ♦ **Johan Swinnen**, Laboratory of Lipid Metabolism and Cancer, University of Leuven, Belgium
Lipidomics: a discovery tool in cancer research

LIPID HOMEOSTASIS AND NEURODEGENERATIVE DISEASES

- ♦ **Gilbert Di Paolo**, Taub Institute for Research on Alzheimer's Disease and the Aging Brain Columbia University Medical Center, New York, USA
Endolysosomal dysfunction and lipid dysregulation in Alzheimer's disease
- ♦ **Konrad Sandhoff**, Life & Medical Sciences, Membrane Biology and Lipid Biochemistry Unit, Kekulé-Institut für Organische Chemie und Biochemie, Universität Bonn, Germany
Membrane lipids regulate (glyco-) sphingolipid catabolism, its enzymes, lipid binding and transfer proteins

LIPID SIGNALLING AND METABOLISM

- ♦ **Christian Wolfrum**, Institute of Food Nutrition and Health, ETH Zürich, Switzerland
Lipid signalling in health and disease
- ♦ **Yvon Le Maho**, Institut Pluridisciplinaire Hubert Curien, Université de Strasbourg, France
How refeeding is triggered before lipids are totally depleted in spontaneously fasting animals?