BBA BIOMEMBRANES

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AUDIENCE

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virus entey, virus-cell membrane fusion, peptides, immunopharmacology, inflammation, autophagy
Maria Luisa Mangoni, Università di Roma "La Sapienza", Rome, Italy
-amicrobial peptides -peptide-membrane interaction -lipopolysaccharide -antibiotic resistance - antimicrobial/anti-endotoxin activities -pore-forming peptides
Isabelle Marcotte, Université du Quebec à Montréal (UQAM), Montreal, Quebec, Canada
1) Biological solid-state NMR 2) Model membranes 3) Lipid interactions 4) NMR of intact cells 5) Protein structure
Katsumi Matsuzaki, Kyoto University, Kyoto, Japan
Peptide (protein)-lipid interaction, Antimicrobial peptides, Amyloids, Transmembrane helices

Sergei Noskov, University of Calgary, Calgary, Alberta, Canada
Theoretical Biophysics, Molecular Dynamics Simulations, Ion Channels and Secondary Transporters, Statistical Mechanics

Jesus Perez-Gil, Universidad Complutense de Madrid, Madrid, Spain
Pulmonary surfactant, lipid-protein interactions, monolayer and bilayer membrane models, membrane domains and structure, membrane protein structure

Elmar Prenner, University of Calgary, Calgary, Alberta, Canada
Biomimetic membranes, lateral membrane organization, Biophysical methods, Metal-membrane interactions, pulmonary drug delivery, nanoparticles

Manuel Prieto, Centro Quimica Fisica Molecular, Lisboa, Portugal
Lipid phase diagrams and lipid domains (rafts), Fluorescence (FRET) and fluorescence microscopy (FCS and FLIM), Lipid-protein interaction, Ceramides, Amyloid fiber formation.

Ayyalusamy Ramamoorthy, University of Michigan, Ann Arbor, Michigan, USA
Membrane protein, structure, amyloids, antimicrobial peptides, NMR

Mark Sansom, University of Oxford, Oxford, UK
Frances Separovic, University of Melbourne, Melbourne, Victoria, Australia
Model membranes, biological solid-state NMR, peptide-lipid interactions, membrane-active peptides

Yechiel Shai, Weizmann Institute of Science, Rehovot, Israel
Peptide-membrane interaction, peptide-peptide interaction within the membrane, virus-cell fusion, membrane fusion, antimicrobial peptides, molecular recognition within the membrane, innate immunity peptides, fluorescent studies

Kai Simons, Max Planck Institute of Molecular Cell Biology and Genetics (MPI-CBG), Dresden, Germany
Membrane organisation, lipid rafts, membrane traffic, cell polarity

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Lukas Tamm, Virginia Commonwealth University, Charlottesville, Virginia, USA

Gunnar von Heijne, Stockholms Universitet, Stockholm, Sweden
Membrane proteins, protein trafficking, bioinformatics.

Tony Watts, University of Oxford, Oxford, UK

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Membrane Proteins, Membrane Protein Folding and Assembly, Lipid-Protein Interactions, Lipid Bilayer Structure and Biophysics

Bill Wimley, Tulane University, New Orleans, Louisiana, USA
Antimicrobial peptide, Pore forming peptide, Membrane active peptides, Cell penetrating peptide, Antiviral peptide

Christopher Yip, University of Toronto, Toronto, Ontario, Canada
Scanning probe microscopy, molecular dynamics, spectroscopy, single molecule biophysics, computational biophysics

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