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Types of Papers: regular papers, reviews and mini-reviews.

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Lipid-protein interaction, Membrane receptors, Cholesterol, Fluorescence spectroscopy, Tryptophan fluorescence.

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Membrane lipid therapy; membrane structure; membrane microdomain; protein-lipid interactions; G proteins; amphitropic proteins; G protein-coupled receptors; cell signaling; sphingomyelin; Sphingomyelin syntheses; SMS1 and SMS2; phosphatidylethanolamine; hexagonal phase; fatty acid; oleic acid; hydroxyoleic acid; DHA; hydrox-DHA; cancer; glioma; glioblastoma; lung cancer; Alzheimer's disease; Adult Polyglucosan Body Disease; neuropathic pain

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Membrane proteins, ion channels, protein assembly and dynamics, molecular dynamics simulations, channel recordings

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Biomembranes, NMR, polyunsaturated lipids, DHA, GPCR, rhodopsin, cannabinoid receptors.

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Sphingolipids, sphingomyelinases, bacterial phospholipases C, ceramide, diacylglycerol, detergents, infrared spectroscopy.

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Membrane-active peptides, membrane fusion, diffraction techniques

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Biomembranes; MD simulations; X-ray and neutron scattering

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Mitochondrial membranes and cell energy metabolism regulation; Membrane-permeabilizing peptides

Ilya Levental, University of Texas Health Science Center at Houston (UTHealth), Houston, Texas, USA
Membrane; lipid; raft; lipomics; fluidity; cholesterol; plasma membrane; cell membrane; domain; liquid-ordered; phase separation

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Antimicrobial peptides; peptide-membrane interaction; lipopolysaccharide; antibiotic resistance; antimicrobial/anti-endotoxin activities; pore-forming peptides

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Biological solid-state NMR; Model membranes; Lipid interactions; NMR of intact cells; Protein structure

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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, Universidade de Lisboa, Lisbon, Portugal
Lipid phase diagrams and lipid domains (rafts), Fluorescence (FRET) and fluorescence microscopy (FCS and FLIM), Lipid-protein interaction, Ceramides, Ion channels, Amyloid fiber formation.

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

Marina Rautenbach, Stellenbosch University, Stellenbosch, South Africa
Antimicrobial peptides; biophysical analysis; bioactivity assays; mass spectrometry; peptide chemistry

Tomasz Róg, University of Helsinki, Helsinki, Finland
Biomolecular simulations and modelling; lipid bilayer biophysics; cholesterol; lipids in nanotechnology; membrane proteins

Dirk Schneider, Johannes Gutenberg Universität Mainz, Mainz, Germany
Membrane dynamics; membrane proteins; membrane protein folding and assembly; protein-lipid interactions; thylakoid membrane

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

Stephen Sligar, University of Illinois at Urbana-Champaign, Urbana, Illinois, USA
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Lukas Tamm, University of Virginia, Charlottesville, Virginia, USA
Membrane structure and dynamics; lipid-protein interactions; NMR of membrane proteins; membrane fusion

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