BBA MOLECULAR AND CELL BIOLOGY OF LIPIDS
One of the nine topical journals of BBA

AUTHOR INFORMATION PACK

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DESCRIPTION

*BBA Molecular and Cell Biology of Lipids* publishes papers on original research dealing with novel aspects of molecular genetics related to the lipidome, the biosynthesis of lipids, the role of lipids in cells and whole organisms, the regulation of lipid metabolism and function, and lipidomics in all organisms. Manuscripts should significantly advance the understanding of the molecular mechanisms underlying biological processes in which lipids are involved. Papers detailing novel methodology must report significant biochemical, molecular, or functional insight in the area of lipids.

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membrane trafficking, phosphoinositides, lipid transfer proteins, glycosphingolipids.
Toyoshi Fujimoto, Nagoya University, Nagoya, Japan
Membrane lipids, lipid droplets, electron microscopy
Xianlin Han, Sanford-Burnham Medical Research Institute, Orlando, Florida, USA
Lipidomics, mass spectrometry, lipid metabolism, neurodegeneration, metabolic syndrome.
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Lipid sensors and homeostasis; Sphingolipid signalling flipases; Membrane lipid symmetry
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sphingolipid metabolism; sphingosine-1-phosphate receptor in signaling; sphingosin-1-phosphate in platelets and blood vessels
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Coenzyme A, Phospholipid, Metabolism
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human adipose tissue function; metabolic consequences of obesity; mass spectrometry;
Sepp Kohlwein, Karl-Franzens-Universität Graz, Graz, Austria
Lipid metabolism in yeast, Molecular basis of cellular lipotoxicity, High resolution imaging in yeast In vivo, formation and function of cubic membranes
Michel Lagarde, INSERM, Villeurbanne, France
Glycerophospholipids, oxygenated metabolism of PUFA, lipoproteins, lipid peroxidation, blood and vascular cells.

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Triacylglycerol and cholesterol metabolism (cell biology of obesity, cardiovascular disease, fatty liver disease and production of hepatitis C virus)

**Peng Li**, Tsinghua University, Beijing, China
CID proteins, Lipid droplets, adipose tissue, VLDL, obesity.

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Fatty acid oxidation, myocardial ischemia, diabetes, heart failure, energy metabolism

**Dieter Lütjohann**, Universitaet Bonn, Bonn, Germany
Cholesterol metabolism; brain cholesterol; bile acid metabolism; lipid lowering drugs

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Lipid Mediators; Inflammatory Signaling; Platelet Biology; Biochemistry; Acute Kidney Injury

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Sphingolipid, Glycosphingolipid, Sphingolipidomics

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Lipidomics, mass spectrometry, lipid metabolism and oxidation, lung surfactant.

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Lipid metabolism, genetics, SREBP, somatic cells, Drosophila

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Lipid transport; bioactive lipids in signal transduction; lipidomics; metabolism of HDL and atherosclerosis; analysis of sterols including cholesterol precursors, plant sterols and oxysterols

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sphingosine, sphingosine-1-phosphate, sphingolipid signaling

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lipid mediators, LPA, phospholipid growth factors, sphingosine-1-phosphate receptors and LPA receptors

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Atherosclerosis, high density lipoproteins, inflammation, lipoprotein metabolism

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Bile, bile salts, phospholipid, cholesterol, gallstone, FXR

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Lipotoxicity, Desaturation and elongation of fatty acids, Fatty acid oxidation, Membrane lipid remodeling, Mitochondria lipid composition, Obesity, Diabetes, Adipose tissue, Thermogenesis, Systems biology

**László Vígh**, Hungarian Academy of Sciences, Budapest, Hungary
adaptation, lipidomics, neurodegenerative disorders and lipids, cancer in relation to lipids and stress proteins

**Arnold von Eckardstein**, Universitätsspital Zürich, Zürich, Switzerland
Lipoproteins (with a focus on HDL) Sphingolipids Atherosclerosis Diabetes Biomarkers

**Michael Wakelam**, Babraham Institute, Cambridge, UK
Lipidomics, PI signalling.

**Christian Wolfrum**, Institute of Molecular Systems Biology, Zürich, Switzerland
Adipogenesis; Diabetes; Obesity; Adipocyte Precursor.

**Hongyuan/Robert Yang**, UNSW Australia, Sydney, New South Wales, Australia
Lipid droplets, phospholipids, cholesterol trafficking, Niemann Pick C1, oxysterol binding proteins (OSBP)

**Rudolf Zechner**, Karl-Franzens-Universität Graz, Graz, Austria
Lipases, lipolysis, neutral lipid metabolism, energy homeostasis, lipid-mediated signaling
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The BBA Molecular and Cell Biology of Lipids section publishes papers on original research dealing with novel aspects of molecular genetics related to the lipidome, the biosynthesis of lipids, the role of lipids in cells and whole organisms, the regulation of lipid metabolism and function, and lipidomics in all organisms. Manuscripts should significantly advance the understanding of the molecular mechanisms underlying biological processes in which lipids are involved. Papers detailing novel methodology must report significant biochemical, molecular, or functional insight in the area of lipids.

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