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

TABLE OF CONTENTS

- Description p.1
- Audience p.1
- Impact Factor p.1
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.4

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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Bile acids, cholesterol, lipid transporters, intestinal lipid transport, intestinal lipid metabolism
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membrane trafficking, phosphoinositides, lipid transfer proteins, glycosphingolipids.
Susan K. Fried, Icahn School of Medicine at Mount Sinai, New York, New York, USA
Obesity; adipose tissue; adipocyte; fatty acid metabolism; adipogenesis; glucocorticoids; insulin; lipolysis; lipogenesis
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Membrane lipids, lipid droplets, electron microscopy
Olga Gursky, Boston University School of Medicine, Boston, Massachusetts, USA
Apollipoprotein structure-function; lipoprotein stability and remodeling; protein-lipid interactions; protein misfolding and amyloid.
Xianlin Han, Sanford-Burnham Medical Research Institute, Orlando, Florida, USA
Lipidomics, mass spectrometry, lipid metabolism, neurodegeneration, metabolic syndrome.
Joost Holthuis, Universität Osnabrück, Osnabrück, Germany
Lipid sensors and homeostasis; Sphingolipid signalling flippases; Membrane lipid symmetry
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Yasuyuki Igarashi, Hokkaido University, Sapporo, Japan
sphingolipid metabolism; sphingosine-1-phosphate receptor in signaling; sphingosin-1-phosphate in platelets and blood vessels
Suzanne Jackowski, St. Jude Children's Research Hospital, Memphis, Tennessee, USA
Coenzyme A, Phospholipid, Metabolism

Fredrik Karpe, University of Oxford, Oxford, England, UK
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, INSa-Lyon, INSERM, Villeurbanne, France
Glycerophospholipids, oxygenated metabolism of PUFA, lipoproteins, lipid peroxidation, blood and vascular cells.

Richard Lehner, University of Alberta, Edmonton, Alberta, Canada
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
CIDe proteins, Lipid droplets, adipose tissue, VLDL, obesity.

Gary Lopaschuk, University of Alberta, Edmonton, Alberta, Canada
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

Thomas McIntyre, Cleveland Clinic Foundation, Cleveland, Ohio, USA
Lipid Mediators; Inflammatory Signaling; Platelet Biology; Biochemistry; Acute Kidney Injury

Alfred Merrill, Georgia Institute of Technology, Atlanta, Georgia, USA
Sphingolipid, Glycosphingolipid, Sphingolipidomics

Antony Postle, University of Southampton, Southampton, UK
Lipidomics, mass spectrometry, lipid metabolism and oxidation, lung surfactant.

Robert Rawson, University of Texas Southwestern Medical Center, Dallas, Texas, USA
Lipid metabolism, genetics, SREBP, somatic cells, Drosophila

Gerd Schmitz, Institute for Clinical Chemistry, Regensburg, Germany
Lipid transport; bioactive lipids in signal transduction; lipidomics; metabolism of HDL and atherosclerosis; analysis of sterols including cholesterol precursors, plant sterols and oxysterols

Sarah Spiegel, Virginia Commonwealth University (VCU), Richmond, Virginia, USA
sphingosine, sphingosine-1-phosphate, sphingolipid signaling

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Cholesterol, endocrine pharmacology, peroxisome proliferator-activated receptors, anti-inflammatory drugs, atherosclerosis, cardiovascular drugs, diabetes, HMG-CoA reductase inhibitors, lipoproteins, nuclear receptors

Hei Sook Sul, University of California at Berkeley, Berkeley, California, USA
Adipogenesis; brown fat thermogenesis; transcriptional regulation; triglyceride and fatty acid metabolism; insulin action

Gabor Tigyi, 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.

Toni Vidal-Puig, Metabolic Research Laboratories, Cambridge, UK
Lipotoxicity, Desaturation and elongation of fatty acids, Fatty acid oxidation, Membrane lipid remodeling, Mitochondria lipid composition, Obesity, Diabetes, Adipose tissue, Thermogenesis, Systems biology

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

Christian Wolfrum, Institute of Molecular Systems Biology, Zürich, Switzerland
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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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