BIOCHIMICA ET BIOPHYSICA ACTA - MOLECULAR AND CELL BIOLOGY OF LIPIDS
One of the nine topical journals of BBA

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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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Bile acids, cholesterol, lipid transporters, intestinal lipid transport, intestinal lipid metabolism
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Obesity; adipose tissue; adipocyte; fatty acid metabolism; adipogenesis; glucocorticoids; insulin; lipolysis; lipogenesis
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Membrane lipids, lipid droplets, electron microscopy
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Apolipoprotein structure-function; lipoprotein stability and remodeling; protein-lipid interactions; protein misfolding and amyloid.
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Lipidomics, mass spectrometry, lipid metabolism, neurodegeneration, metabolic syndrome.
M. Mahmood Hussain, New York University, Mineola, New York, USA
Suzanne Jackowski, St. Jude Children’s Research Hospital, Memphis, Tennessee, USA
Coenzyme A, Phospholipid, Metabolism
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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)
Gary Lopaschuk, University of Alberta, Edmonton, Alberta, Canada
Fatty acid oxidation, myocardial ischemia, diabetes, heart failure, energy metabolism
Antony Postle, University of Southampton, Southampton, UK
Lipidomics, mass spectrometry, lipid metabolism and oxidation, lung surfactant.

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

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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

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

Bernardo Trigatti, McMaster University, Hamilton, Ontario, Canada
Atherosclerosis, high density lipoproteins, inflammation, lipoprotein metabolism

Karel van Erpecum, Universitair Medisch Centrum Utrecht (UMC Utrecht), Utrecht, Netherlands
Bile, bile salts, phospholipid, cholesterol, gallstone, FXR

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Stress sensing, -signaling and adaptation; lipidomics; neurodegenerative disorders and lipids; cancer in relation to lipids and stress proteins

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Adipogenesis; diabetes; obesity; adipocyte precursor

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Lipid droplets; Seipin; phospholipids; cholesterol trafficking; OSBP; OSBP-related proteins (ORPs); phosphoinositides

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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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