BIOCHIMICA ET BIOPHYSICA ACTA - MOLECULAR BASIS OF DISEASE
One of the nine topical journals of BBA

AUTHOR INFORMATION PACK

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DESCRIPTION

*BBA Molecular Basis of Disease* addresses the *biochemistry* and *molecular genetics* of *disease* processes and models of human disease. This journal covers aspects of aging, cancer, metabolic-, neurological-, and immunological-based disease. Manuscripts focused on using animal models to elucidate biochemical and mechanistic insight in each of these conditions, are particularly encouraged. Manuscripts should emphasize the underlying mechanisms of disease pathways and provide novel contributions to the understanding and/or treatment of these disorders. Highly descriptive and method development submissions may be declined without full review.

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AUDIENCE

Basic and clinical researchers studying molecular aspects of disease processes, Human geneticists, Biochemists, Molecular biologists, Cell biologists, Cell physiologists

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Prostanoid; prostaglandin; thromboxane; G protein coupled receptor; cardiovascular; cancer; signalling

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Chronic diseases, cardiovascular diseases, diabetes, cell signaling, cell death, inflammation, autophagy, mitochondria, insulin, intraorganelle communication.

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Aging, cell signaling, IGF-1, yeast models of aging

José E. Manautou, University of Connecticut, Storrs, Connecticut, USA
Hepatotoxicity Model hepatotoxics (e.g. acetaminophen, carbon tetrachloride) Hepatobiliary disposition of xenobiotics Hepatoprotection Peroxisome proliferators Transport proteins Covalent binding in hepatotoxicity Reactive intermediates in hepatotoxicity

Sara Mole, University College London (UCL), London, UK
Aging, Alzheimer's disease, Diabetes, Mitochondria, Neurodegeneration, Oxidative stress

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Nuclear Hormone Receptors, Liver Metabolic Disease, Gut-liver axis, Intestinal mucosa regeneration - tumorigenesis, Transcriptional regulation of Cholesterol and Lipid Metabolism

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Small heat shock proteins, glycation, oxidative stress, apoptosis, cataract, diabetic retinopathy

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Epigenetic mechanisms, DNA and Histone modifications, DNA demethylase and DNA demethylation mechanisms, regulation of gene expression, membrane lipid raft structure and signaling, Ras-MAPK and Hedgehog signaling pathways, Cancer stem cell and pluripotency.

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Mitochondria, sirtuin, trauma, sepsis, oxidative stress, inflammation

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Aging, Alzheimer's disease, Bioenergetics, Metabolism, Mitochondria, Neurodegeneration

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Mitochondria; aging; sarcopenia; oxidative stress

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Cardiac, heart failure, stem cells, Akt kinase, Pim-1 kinase, myocardial biology

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Kidney Genetic Disease, gene therapy, Polycystic kidney disease, Stem cells, regenerative medicine, Kidney Cancer

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cholesterol, Niemann-Pick, neurodegeneration, liver, lipids, oxidative stress

Massimo Zeviani, University of Cambridge, Cambridge, UK
Mitochondrial Disease; Oxidative Phosphorylation; mitochondrial respiratory chain; mitochondrial DNA; mtDNA mutation.

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cardiovascular and metabolic disease

Xiongwei Zhu, Case Western Reserve University School of Medicine, Cleveland, Ohio, USA
Neuroscience, Neurodegenerative diseases, Mitochondrial Oxidative Stress, Amyloid, Signal Transduction, Alzheimer's Disease, Parkinson's Disease
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