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

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

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

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Aging, Amyloid Beta, Neurodegenerative diseases, Mitochondria and Mitochondrial therapeutics.

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

Russell H. Swerdlow, University of Kansas School of Medicine, Kansas City, Kansas, USA
Aging, Alzheimer's disease, Bioenergetics, Metabolism, Mitochondria, Neurodegeneration

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Ronald JA Wanders, Universiteit van Amsterdam, Academisch Medisch Centrum (AMC), Amsterdam Zuidoost, Netherlands
Peroxisomes, peroxisomal lipid metabolism, inherited metabolic diseases, fatty acid metabolism, amino acid metabolism

Patricia Wilson, University College London (UCL), London, UK
Kidney Genetic Disease, gene therapy, Polycystic kidney disease, Stem cells, regenerative medicine, Kidney Cancer

Silvana Zanlungo, Pontificia Universidad Católica de Chile, Santiago, Chile
cholesterol, Niemann-Pick, neurodegeneration, liver, lipids, oxidative stress

Massimo Zeviani, National Neurological Institute “Carlo Besta”, Milano, Italy
Mitochondrial Disease; Oxidative Phosphorylation; mitochondrial respiratory chain; mitochondrial DNA; mtDNA mutation.

Zhuohua Zhang, Central South University, Changsha, China
ubiquitin proteasomal degradation, Parkinson disease, protein folding, connexins, epigenetics

Xiongwei Zhu, Case Western Reserve University School of Medicine, Cleveland, Ohio, USA
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