**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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Takeshi Iwatsubo, University of Tokyo, Bunkyo-Ku, Japan
Sergio Lavandero, Universidad de Chile, Santiago, Chile
Cardiovascular diseases, Diabetes, Cell signaling, Cell death, autophagy, Mitochondria, Insulin, Growth factors, Intracellular communication

Valter D. Longo, University of Southern California, Los Angeles, California, USA
Aging, cell signaling, IGF-1, yeast models of aging

José E. Manautou, University of Connecticut, Storrs, Connecticut, USA
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Sara Mole, University College London (UCL), London, UK
Aging, Alzheimer's disease, Diabetes, Mitochondria, Neurodegeneration, Oxidative stress

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

Antonio Moschetta, University of Southern California, Los Angeles, California, USA
Nuclear Hormone Receptors, Liver Metabolic Disease, Gut-liver axis, Intestinal mucosa regeneration - tumorigenesis, Transcriptional regulation of Cholesterol and Lipid Metabolism

Ram Nagaraj, University of Colorado School of Medicine, Aurora, Colorado, USA
Small heat shock proteins, glycation, oxidative stress, apoptosis, cataract, diabetic retinopathy

William Orr, Southern Methodist University, Dallas, Texas, USA
Aging, redox regulation, innate immunity, circadian rhythm, caloric restriction

Athanasios Papavassiliou, University of Athens Medical School, Athens, Greece
AGE/metabolic stress signaling, Bone mechanobiology, Molecular oncology, Signaling pathways in tumorigenesis, Signal transduction to transcription factors in health and disease

Raghadan Raju, Augusta University, Augusta, Georgia, USA
Mitochondria, sirtuin, trauma, sepsis, oxidative stress, inflammation

Hemachandra Reddy, Texas Tech University Health Sciences Center, Lubbock, Texas, USA
Aging, Amyloid Beta, Neurodegenerative diseases, Mitochondria and Mitochondrial therapeutics.

Jun Ren, University of Wyoming, Cheyenne, Wyoming, USA
Diabetes, atherosclerosis, cardiovascular prevention, dyslipidemia, metabolic syndrome

Luis Sobrevida, Pontificia Universidad Católica de Chile, Santiago, Chile
endothelium; trophoblast; fetus; placenta; insulin resistance; diabetes; preeclampsia; obesity in pregnancy; membrane transport; membrane receptors; adenosine; nitric oxide; L-arginine; pH; endoplasmic reticulum stress; exosomes; extracellular vesicles

Jacqueline Stephens, Louisiana State University, Baton Rouge, Louisiana, USA
Adipocyte, adipose tissue, obesity, insulin resistance, and STATs

Mark Sussman, SDSU Heart Institute, San Diego, California, USA
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

Ya-Xiong Tao, Auburn University, Auburn, Alabama, USA
Kidney Genetic Disease, gene therapy, Polycystic kidney disease, Stem cells, regenerative medicine, Kidney Cancer

Holly Van Remmen, Oklahoma Medical Research Foundation, Oklahoma City, Oklahoma, USA
Aging, Alzheimer's disease, Bioenergetics, Metabolism, Mitochondria, Neurodegeneration

Arthur J. Verhoeven, 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
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BBA *Molecular Basis of Disease* addresses the biochemistry and molecular genetics of disease processes and their models with a specific focus on human disease. The section covers metabolic, membrane, receptor and immunological disorders, and includes the biochemistry of differentiation disorders, tissue damage and aging. Manuscripts should emphasize the underlying mechanisms of disease pathways and provide novel contributions to the understanding and treatment of these processes. Highly descriptive and method development submissions may be declined without full review.

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