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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B. Therese Kinsella, University College Dublin, Dublin, Ireland
Prostanoid; prostaglandin; thromboxane; G protein coupled receptor; cardiovascular; cancer; signalling
Sergio Lavandero, Universidad de Chile, Dallas, Texas, USA
Chronic diseases, cardiovascular diseases, diabetes, cell signaling, cell death, inflammation, autophagy, mitochondria, insulin, intraorganelle 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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Ram Nagaraj, University of Colorado School of Medicine, Aurora, Colorado, USA
Small heat shock proteins, glycation, oxidative stress, apoptosis, cataract, diabetic retinopathy
Athanasios G. Papavassiliou, University of Athens Medical School, Athens, Greece
AGE/metabolic stress signaling, Bone mechanobiology, Molecular oncology, Signaling pathways in tumorigenesis, cancer mechanobiology, signal transduction to transcription factors in health and disease
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Raghavan 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.
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Diabetes, atherosclerosis, cardiovascular prevention, dyslipidemia, metabolic syndrome
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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
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Cardiac, heart failure, stem cells, Akt kinase, Pim-1 kinase, myocardial biology
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Aging, Alzheimer's disease, Bioenergetics, Metabolism, Mitochondria, Neurodegeneration
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Insulin resistance; obesity; non-alcoholic fatty liver disease; incretins; brown adipose tissue
Holly Van Remmen, Oklahoma Medical Research Foundation, Oklahoma City, Oklahoma, USA
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