BBA MOLECULAR BASIS OF DISEASE
One of the nine topical journals of BBA

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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Developmental and molecular Neurobiology, Neurothrophic factors and their receptors, neuronal differentiation, neural regeneration

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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
Hepatotoxicity Model hepatotoxins (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

José E. Manautou, University of Connecticut, Storrs, Connecticut, USA
Aging, Alzheimer's disease, Diabetes, Mitochondria, Neurodegeneration, Oxidative stress

Paula Moreira, Universidade de Coimbra, Coimbra, Portugal
Aging, Alzheimer's disease, Diabetes, Mitochondria, Neurodegeneration, Oxidative stress

José E. Manautou, University of Connecticut, Storrs, Connecticut, USA
Aging, Alzheimer's disease, Diabetes, Mitochondria, Neurodegeneration, Oxidative stress

Antonio Moschetta, Università di Bari, Bari, Italy
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

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

Samir Kumar Patra, National Institute of Technology Rourkela (NIT), Orissa, India
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.

Raghaban Raja, 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

Manfredi Rizzo, Università degli Studi di Palermo, Palermo, Italy
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 M. 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

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