BIOCHIMICA ET BIOPHYSICA ACTA -
GENERAL SUBJECTS

One of the 10 topical journals of BBA

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DESCRIPTION

BBA General Subjects accepts for submission either original, hypothesis-driven studies or reviews covering subjects in biochemistry and biophysics that have general scientific interest for a wide audience. Interdisciplinary studies are encouraged. Descriptive studies without biochemical or biophysical mechanistic evidence and insights are discouraged. Preferred topics are:

- biomedicine: fundamental and emerging topics in biochemistry/biophysics with potential medical implications
- nanobiology/nanotechnology: nanoparticles, nanotoxicology, nanomedicine
- genomics, proteomics, lipidomics, glycomics, bioinformatics experimentally addressing a defined biological question
- chemical biology: chemical compounds, drug mechanisms, synthesis of novel compounds, click chemistry
- structural biology: crystallography, NMR, multimeric proteins, protein dynamics, nucleic acids
- novel complexes: nucleic acids, pure natural compounds, synthetic compounds, protein complexes, nucleic acid derivatives
- cellular signaling: receptor signaling, protein phosphorylation cascades, phosphatases, secondary messengers, transcription regulation, gene expression
- glycobiology: sugar metabolites and metabolism, glycosylated proteins, membrane protein, glycosylation, glycomics
- redox biology: redox switches, glutathione and thioredoxin systems, oxygen and nitrogen radical species, superoxide, hydrogen peroxide, hydroxyl radical, nitric oxide, peroxides, hypoxia, redox regulation of transcription factors
- neurobiology: neuronal growth factors and nerve signaling, glial cells, autonomic and central nervous systems
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- imaging methodologies
- mechanistic characterization of compounds

AUDIENCE

Biochemists, molecular biologists, glycobiologists, developmental biologists

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mitochondria, oxidative stress, topoisomerase II, anthracycline cardiotoxicity, ton metabolism

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- **cellular signaling**: receptor signaling, protein phosphorylation cascades, phosphatases, secondary messengers, transcription regulation
- **biophysics**: nucleic acids, novel complexes, nucleic acid derivatives
- **chemical biology**: chemical compounds, drug mechanisms, synthesis of novel compounds
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- **cellular biology**: receptor signaling, protein phosphorylation cascades, phosphatases, secondary messengers, transcription regulation
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- **cellular biology**: receptor signaling, protein phosphorylation cascades, phosphatases, secondary messengers, transcription regulation
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