**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
- **omics:** 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
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- **mechanistic characterization of compounds** having biochemical importance and general interest (drug leads, toxicants, nutrients, metabolites). *BBA General Subjects* does not consider studies on the biological effects of crude extracts of natural sources unless the exact active molecules are identified, singularly characterized and evaluated.

**AUDIENCE**

Biochemists, molecular biologists, glycobiologists, developmental biologists

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- biomedicine: fundamental and emerging topics in biochemistry/biophysics with potential medical implications
- nanobiology/nanotechnology: nanoparticles, nanotoxicology, nanomedicine
- genomics, proteomics, lipidomics, glycomics, bioinformatics
- chemical biology: chemical compounds, drug mechanisms, synthesis of novel compounds, click chemistry
- structural biology: crystallography, NMR, multimeric proteins, protein dynamics, nucleic acids
- cellular signaling: receptor signaling, protein phosphorylation cascades, phosphatases, secondary messengers, transcription regulation, gene expression
- biophysics: nuclear magnetic resonance spectroscopy, electron microscopy, X-ray crystallography
- chemical compounds, drug mechanisms, synthesis of novel compounds, click chemistry
- structural biology: crystallography, NMR, multimeric proteins, protein dynamics, nucleic acids
- glycomics: sugar metabolites and metabolism, glycosylated proteins, membrane protein glycosylation
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