



# BBA GENERAL SUBJECTS

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## AUTHOR INFORMATION PACK

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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 are considered to have general interest for a wide audience. Manuscripts with interdisciplinary approaches are especially encouraged.

Preferred topics include medically important biochemistry/biophysics research and emerging areas such as **nanobiology** (nanoparticles, nanotoxicology, nanomedicine), **systems biology** (genomics, proteomics, lipidomics, glycomics, bioinformatics based on experimental approaches), **chemical biology** (chemical compounds, drug mechanisms, synthesis of novel compounds, click chemistry), **structural biology** (crystallography, NMR, multimeric proteins, protein dynamics), **novel complexes** (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), **stem cells** (differentiation, stem cell isolation and cultivation, growth factors), **imaging methodologies** and **mechanistic characterization** of compounds having biochemical importance and general interest (drug leads, toxicants, nutrients, metabolites).

Authors must provide a sentence at [submission](#) stating the reason that the work described in the manuscript has general significance and interest to a wide audience. Claims of novelty do not suffice. The author statement will be used as an aid in the reviewing process and will be included in the final version of the accepted paper to orient readers of *BBA General Subjects*.

### AUDIENCE

Biochemists, molecular biologists, glycobiologists, developmental biologists

### IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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**Gordan Lauc**, University of Zagreb, Zagreb, Croatia

Glycobiology; Glycomics; Protein glycosylation; High-throughput research; Complex genetics of glycosylation; Glycosylation and disease.

**Hong Kyu Lee**, Seoul, South Korea

Mitochondrial DNA, Mitochondrial Dysfunction, Environmental Toxins, Metabolic Syndrome, Metabolic Scaling.

**Christopher Horst Lillig**, Philipps-Universität Marburg, Marburg, Germany

Glutaredoxins, Oxidation-Reduction, Molecular Sequence Data, Mitochondria, Oxidative Stress, Thioredoxins

**Mary Lipton**, Pacific Northwest National Laboratory, Richland, Washington, USA

Proteomics, Bacterial Proteins, Biophysical Methods for Peptide Mapping, Molecular Sequence Data

**Bengt Mannervik**, Uppsala Universitet, Uppsala, Sweden

Glutathione S-Transferases, Kinetics and Catalysis, Isoenzymes, Site-Directed Mutagenesis

**Henry Mizioro**, University of Missouri at Kansas City, Kansas City, Missouri, USA

Structure/function correlations accounting for enzyme catalysis and regulation, Isoprenoid/sterol biosynthesis, Ketogenesis, Photosynthetic CO<sub>2</sub> assimilation, Molecular basis of inherited disease

**Denis Pompon**, Centre National de la Recherche Scientifique (CNRS), Gif sur Yvette, France

Cytochrome P450 Enzyme Systems, Molecular Cloning, Genetic Engineering, Oxidation-Reduction, Kinetics, Synthetic Biology, Bio-inspired Nanosystems, Directed Evolution of proteins

**Tadashi Suzuki**, RIKEN, Saitama, Japan

Amidohydrolases, Proteasome Endopeptidase Complex, Cysteine Endopeptidases, Multienzyme Complexes, Glycosylation, catabolism of glycans

**Masashi Tanaka**, Tokyo Metropolitan Institute of Gerontology, Tokyo, Japan

**Jerry Turnbull**, University of Liverpool, Liverpool, UK

Heparan Sulfate and Heparin, Signal Transduction, Carbohydrate Sequence, Structure-Activity Relationships

**Mathias Uhlen**, KTH Royal Institute of Technology, Stockholm, Sweden

Proteomics, Antibodies, Immunohistochemistry, Molecular Sequence Data, Gene Expression Profiling, Protein Array Analysis

**Rebecca Wade**, Heidelberg Institute for Theoretical Studies (HITS), Heidelberg, Germany

Molecular modelling and simulation, structure-based drug design, bioinformatics, molecular systems biology, biomolecular recognition, protein-ligand interactions.

**Yau-Huei Wei**, National Yang Ming University, Taipei, Taiwan, ROC

Mitoc1. Mitochondrial disorders, Bioenergetics, Oxidative stress, Metabolic regulation, Degenerative diseases

**Christopher West**, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma, USA

Glycobiology, Ubiquitin Ligase, Cell Wall, Hypoxia, O<sub>2</sub>-Sensing, Prolyl Hydroxylation.

**Hans Westerhoff**, Vrije Universiteit Amsterdam, Amsterdam, Netherlands

Biological Models, Kinetics, Systems Biology, Thermodynamics, Computer Simulation

**Yoshihiro Yoneda**, Osaka University, Osaka, Japan

Nuclear Transport, Nucleus, Nuclear Pore Complex, Cell Differentiation, Intracellular Molecular Traffic.

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### **Acknowledgements**

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[3] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

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