DESCRIPTION

*Biochemical Pharmacology* publishes original research findings and review articles related to the elucidation of cellular and tissue function(s) at the biochemical and molecular levels, the modification of cellular phenotype(s) by genetic, transcriptional/translational or drug/compound-induced modifications, as well as the pharmacodynamics and pharmacokinetics of xenobiotics and drugs, the latter including both small molecules and biologics.

The journal's target audience includes scientists engaged in the identification and study of the mechanisms of action of xenobiotics, biologics and drugs and in the drug discovery and development process.

All areas of cellular biology and cellular, tissue/organ and whole animal pharmacology fall within the scope of the journal. Drug classes covered include anti-infectives, anti-inflammatory agents, chemotherapeutics, cardiovascular, endocrinological, immunological, metabolic, neurological and psychiatric drugs, as well as research on drug metabolism and kinetics. While medicinal chemistry is a topic of complementary interest, manuscripts in this area must contain sufficient biological data to characterize pharmacologically the compounds reported. Submissions describing work focused predominately on chemical synthesis and molecular modeling will not be considered for review.

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D. Ford, Northumbria University, Faculty of Health and Life Sciences, Newcastle Upon Tyne, United Kingdom
J.G. Marin

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N.H. Moniri, Mercer University College of Pharmacy, Atlanta, Georgia, United States of America
M. Montgomery, The University of Melbourne Centre for Muscle Research, Melbourne, Victoria, Australia
M.E. Poirot, Paul Sabatier University, Toulouse, France
A.M.P. Romani, Case Western Reserve University, Cleveland, Ohio, United States of America
I. Sakuma, Hokko Memorial Hospital, Sapporo, Japan
X. Wu, Zhejiang University School of Medicine, Department of Pharmacology, Hangzhou, China

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S.L. Doyle, The University of Dublin Trinity College, Dublin, Ireland
J.P. Hardwick, Northeast Ohio Medical University, Department of Integrative Medical Sciences, Rootstown, Ohio, United States of America
Y. Hattori, Health Sciences University of Hokkaido, Ishikari-gun, Japan
L. Herrero, University of Barcelona, Barcelona, Spain
J.D. Imig, University of Arkansas for Medical Sciences, Department of Pharmaceutical Sciences, Little Rock, Arkansas, United States of America
A. Kauppinen, University of Eastern Finland School of Pharmacy, Kuopio, Finland
Y. Kim, Chungbuk National University, Cheongju, South Korea
J.-H. Lai, Chang Gung Memorial Hospital Linkou Rheumatology Allergy and Immunology, Taoyuan, Taiwan
E. Lavelle, The University of Dublin Trinity College, Dublin, Ireland
C. Martini, University of Pisa, Pisa, Italy
J.J. Moreno, University of Barcelona, Barcelona, Spain
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G.E. Rovati, University of Milan, Milano, Italy
P. Shen, State Key Laboratory of Pharmaceutical Biotechnology, Nanjing, Jiangsu, China
K. Suk, Kyungpook National University, Daegu, South Korea
D.R. Webb, The Scripps Research Institute, La Jolla, California, United States of America
O. Werz, Jena University Hospital, Jena, Germany

Neuropharmacology

D.C. Bertrand, HiQSscreen Sàrl, Genève, Switzerland
D. Boatman, BioMarin Pharmaceutical Inc, Novato, California, United States of America
V. Calabrese, University of Catania, Department of Biomedical and Biotechnological Sciences, Catania, Italy
R.A.J. Challiss, University of Leicester, Leicester, United Kingdom
S.H.H. Chan, Chang Gung Memorial Hospital Kaohsiung Branch, Kaohsiung, Taiwan
M.F. Jarvis, AbbVie Inc, North Chicago, Illinois, United States of America
M.J. Marino, Merck and Co Inc, West Point, Pennsylvania, United States of America
A. Scorzelli, University of Naples Federico II, School of Medicine, Department of Neuroscience, Reproductive Sciences and Dentistry, Napoli, Italy
A.D. Wickenden, Vertex Pharmaceuticals San Diego LLC, San Diego, California, United States of America
J. M. Witkin, Witkin Consulting, Carmel, Indiana, United States of America

Pharmacokinetics and Drug Metabolism

E.C.Y. Chan, National University of Singapore, Singapore, Singapore
G. Elizondo Azuela, Center for Research and Advanced Studies of the National Polytechnic Institute, Ciudad de México, Mexico
B. Hagenbuch, The University of Kansas Medical Center, Kansas City, Kansas, United States of America
J.R. Idle, Western New England University, Springfield, Massachusetts, United States of America
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J. P. Rigalli, Heidelberg University Hospital, Department of Clinical Pharmacology and Pharmacoepidemiology, Heidelberg, Germany
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INTRODUCTION

Biochemical Pharmacology is an international peer reviewed journal devoted to publishing original research and invited reviews and commentaries on the interaction of chemical compounds with biological systems. Manuscripts describing experiments conducted with chemical mixtures, plant or animal extracts will not be considered for publication unless the chemical structures and precise concentrations of all substances are reported.

While particular emphasis is placed on reporting findings that relate to pharmacodynamics, pharmacokinetics, and metabolism of both small molecules and biologics at the biochemical and molecular levels, submissions in the areas of behavioral and physiological pharmacology and toxicology are considered if they describe studies directed at defining mechanisms of action. All areas related to the field of pharmacology are represented in the journal including, but not limited to, chemotherapy, neuropharmacology, inflammation/immunopharmacology, antimicrobials, behavioral, respiratory, gastrointestinal, cardiovascular and endocrine pharmacology and toxicology.

Reports describing de novo results of clinical studies and those that predominately or exclusively concern database mining and analysis and computational methodologies, e.g. CAMD, are outside the scope of the journal.

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Manuscript preparation and submission

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Table 1. Scientific Submission Checklist

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**Manuscript preparation**

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