

## Special Issue

# The Role of HIF-1a in Animal Physiology and Biochemistry

### Message from the Guest Editors

Given the role of biological macromolecule HIF-1a in physiopathological processes, many specific small molecule compounds and natural products targeting HIF-1a are attracting more and more attention, accompanied by the development of nanomaterials and chemical modification for the chemical delivery of such substances. To increase the specificity of these drugs and their bioavailabilities, several feasible approaches and some pharmaceutical investigations can be undertaken with special interest, both in academia and in the pharmaceutical industry. These include HIF-1a-specific small molecule inhibitors (such as echinomycin and oltipraz), drug delivery systems based on lipids and nanomaterials, and the molecules that interact with HIF-1a in vivo. This Special Issue aims to provide a forum to disseminate the latest information on the specificity, bioavailability, and delivery of these chemical drugs and natural products—and their pharmaceutical effects during disease processes.

### Guest Editors

Prof. Dr. Zhengchao Wang

Prof. Dr. Ningjun Li

Dr. Yang Zhang

### Deadline for manuscript submissions

closed (31 May 2023)



## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

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