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

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Message from the Guest Editors

Dear Colleagues,

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.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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