

Special Issue

Molecular Biology of Hypoxia: 2nd Edition

Message from the Guest Editor

This Special Issue is the second volume of our Special Issue series, entitled “**Molecular Biology of Hypoxia**”. Oxygen is essential for the survival of cells and organs in the body, and hypoxic conditions can disrupt a wide range of functional and metabolic systems. However, several types of cells and tissues have a reserve capacity that allows for the mobilization of defense mechanisms for survival in response to relatively acute and less severe hypoxic conditions. Intensive studies on the mechanisms that contribute to the development of hypoxia tolerance in cells and tissues are theoretically important as well as necessary to address numerous problems in practical medicine. Studies in this field have significantly advanced our understanding; however, several important questions remain unanswered. Therefore, this Special Issue focuses on the “Molecular Biology of Hypoxia” in various cells and tissues, including the heart, brain, kidneys, articular cartilage, and tumors, and we invite papers that report novel findings and answer questions that currently remain unanswered.

Guest Editor

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Message from the Editor-in-Chief

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