# **Special Issue**

# Molecular Biology of Hypoxia

## Message from the Guest Editor

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 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 reporting novel findings on questions that currently remain unanswered.

### **Guest Editor**

Dr. Yuji Arai

Department of Sports and Para-Sports Medicine, Graduate School of Medical Science, Kyoto Prefectural University of Medicine, Kyoto 602-8566, Japan

### Deadline for manuscript submissions

closed (20 May 2025)



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International Journal of Molecular Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 ijms@mdpi.com

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# Message from the Editor-in-Chief

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#### **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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