

Special Issue

Akt and Its Role in DNA Damage Response (DDR) Pathways

Message from the Guest Editors

Akt signaling and DNA damage response pathways are major regulatory components of various mechanisms controlling cellular survival and genomic integrity. Moreover, genetic alterations resulting in aberrant activation of Akt have been recognized as a driving force of malignant transformation and cancer progression. Likewise, in recent years, accumulating evidence has indicated that Akt is directly involved in the regulation of DNA damage response pathways and specified DNA damage repair mechanisms responsible for DNA double strand as well as DNA single strand damage. Thus, as most anticancer treatments are based on DNA damaging agents, the regulatory function of Akt in DNA repair mechanisms contributes significantly to the resistance of tumors to cancer therapy. Therefore, a Special Issue of *IJMS* (with H. Peter Rodemann, Tübingen, and Ekkehard Dikomey, Hamburg) is planned, publishing the most current research findings on various topics related to Akt and its role in DNA damage response, in the form of both original as well as review articles, in 2020.

Guest Editors

Prof. Dr. H. Peter Rodemann

Division of Radiation Biology & Molecular Environmental Research,
Department of Radiation Oncology, Eberhard Karls University
Tübingen, 72076 Tübingen, Germany

Prof. Dr. Ekkehard Dikomey

Laboratory of Radiobiology and Experimental Radiooncology, University
Medical Center Hamburg-Eppendorf, Hamburg, Germany

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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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