# Special Issue

# Jumonji Domain-Containing Proteins in Cancer Progression

## Message from the Guest Editors

Cancer cell growth is largely driven by the silencing of tumor-suppressor genes and/or the expression of oncogenes. Histone lysine methylation was first discovered in the 1960s which gave rise to the study of enzymes named histone methyltransferases which have the ability to methylate specific lysine residues on histones to control gene transcription. It was long believed that lysine methylation was irreversible, until 2004 when the first histone demethylase was discovered. Since that time, Jumonji C Domain-Containing (JMJD) proteins were discovered which function to remove methyl groups from lysine and arginine residues on histones H3 and H4 to regulate gene expression. Similar to histone methyltransferases. Therefore, it is important to further determine whether JMJD proteins are potential therapeutic targets. We would like to invite scientists to submit manuscripts focusing on the JMJD proteins in cancer progression. Contributions to this Special Issue will cover in the format of reviews, original research articles, communications, and concept papers.

## Guest Editors


Prof. Dr. Sangphil Oh

Stephenson Cancer Center, The University of Oklahoma Health Sciences Center, Oklahoma City, OK 73104, USA

Dr. William Berry

Department of Surgery, University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA


## Deadline for manuscript submissions

closed (28 February 2022)


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*Biomolecules*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

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## Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

## Editors-in-Chief

Prof. Dr. Peter E. Nielsen
Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan
Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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