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.

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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.

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