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Jumonji Domain-Containing Proteins in Cancer Progression

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Deadline for manuscript submissions:
closed (28 February 2022)

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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Special Issue

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Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Biochemistry*)

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