



医生物学研究所

セミナー講演者

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“Biology of histidine methylation”

Enzymatic methylation occurs in diverse cellular molecules, including DNA, RNA, and proteins. Histidine (His) residues of cellular proteins have been reported to be methylated for more than five decades; however, the specific roles and biological functions of histidine methyltransferases (His MTases) remain largely unknown. My group has pioneered the use of an analogue of S-adenosylmethionine (the methyl donor for cellular methyltransferases) and click chemistry to identify the novel substrates of various protein methyltransferases and is now more focusing on protein histidine methylation. In my talk, I would like to present our analysis of His methyltransferases and discuss with the participants the currently emerging findings on the regulation of His methylation and its importance in biological functions.

日時: 2024年4月12日(金) 16:30~17:30

場所: 医研3号館3階セミナー室 (312)

世話人: 医生物学研究所 幹細胞遺伝学分野 遊佐宏介