



東北大学グローバルCOE

Network Medicine

創生拠点

NM高等教育セミナー

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「Activation of Histone Acetylation and Transcription Regulation in Brain」

2012年2月1日(水) 17時-18時30分
医学部1号館第一セミナー室

Reversible histone acetylation plays a critical role in the transcription regulation of all the three RNA polymerases, predominantly polymerase II driven transcription. These include not only the transcription of protein coding gene but also the miRNA genes. We have found that a specific inhibition of histone acetyltransferase p300 alters the expression of a specific set of miRNA which are involved in diverse physiological functions. Remarkably, we have found the activation of histone acetylation specifically in mice brain induces a very interesting set of genes which could be involved in neurogenesis and thereby the memory. The alteration of miRNA expression due to the activation of specific histone acetyltransferase and its functional consequences are being investigated.

本セミナーは医学履修課程特別セミナー等を兼ねています。受講学生は履修簿を持参し、セミナー修了後にサインを受けること。聴講は自由大歓迎です。学部生の皆さんもぜひどうぞ。

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