

広島大学インキュベーション研究拠点

The Research Center for Animal Science

基礎研究を畜産技術開発につなげるトランスレーショナル型研究拠点  
- 日本型(発)畜産・酪農技術開発センター -

RCAS Special Seminar: 特別セミナー

## Epigenetic regulation of the fate of spermatogonial stem cells

精原幹細胞の運命決定における  
エピゲノム制御機構

### Speaker

曹 文先 生物圏科学研究科・特任教授/中国 西北農林科技大学 教授

Dr. Zeng Wenxian

Professor (Special Appointment), Graduate School of Biosphere Science / Professor, Northwest A & F University, China

Spermatogenesis is a continuous and organized process that occurs throughout the adult male life, by which spermatogonia proceed through mitosis, meiosis and complex cytological transformations resulting in the formation of spermatozoa. This process requires precise and highly ordered regulation of gene expression at both the transcriptional and post-transcriptional levels. Histone methyltransferase ERG-associated protein with SET domain (ESET) represses gene expression and is essential for the maintenance of the pool of embryonic stem cells and neurons. Self-renewal and differentiation of spermatogonial stem cells (SSCs) are the foundation of spermatogenesis. In this talk, I will present our recent findings about the role of histone methyltransferase ESET on SSC survival and its molecular mechanism.

Date & Time : October 16 (Friday) 16:00 – 17:00

Venue: Room C301, Faculty of App. Biol. Sci. bldg.

本セミナーは5研究科共同  
セミナーです

This lecture is provided as  
Science Seminar.



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