BISON GUEST LECTURE

Mechanism and Biology of RNA Silencing

16/09/2016

CEITEC MU

Kamenice 5, Brno
Entrance from Studentská street

Building A35, Room 211

START: 14.00

Dr. Stefan Ameres

IMBA, UNIVIE, Vienna

Dr. Ameres is an expert in RNA silencing, investigating the mechanisms and biology of post-transcriptional gene regulation in flies and mammals. The implementation of distinct gene expression profiles is essential for organismal development, physiological responses to external stimuli and pathogens, and defines a primary cause for disease. The laboratory of Dr. Ameres is focusing on two major areas: Small RNA silencing and the Epitranscriptome.

Small RNA silencing. Small silencing RNAs regulate gene expression in nearly all eukaryotes and have enormous biotechnological and therapeutic potential. Dr. Ameres is interested in molecular mechanisms that govern small RNA silencing pathways in flies and mammals. His focus lies on processes that regulate the production of small RNAs, their assembly into functional ribonucleoprotein complexes, and the disassembly thereof in response to synthetic and natural triggers. His goal is to unravel mechanistic principles of small RNA-mediated gene regulation, a phenomenon that impacts virtually every aspect of metazoan biology.

More information about the lecture HERE.

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