

FOR5200 SEMINAR Series

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Digital lecture - For access link please contact the DEEP-DV Office

Andreas Mayer, PhD

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Mechanisms of Transcription and RNA processing regulation by the BET bromodomain proteins



The research of my team at the MPI for Molecular Genetics in Berlin aims at the understanding of the molecular mechanisms that control key steps of gene expression in normal cells and how alterations can lead to disease. We have a long-standing interest in the machineries and factors that regulate and coordinate nascent RNA synthesis by RNA polymerase II and RNA processing, the two main steps leading to functional RNAs. We mainly study these fundamental processes in their native chromatin environment in cells. To identify and characterize the regulatory factors and to reveal their specific roles in gene expression, we develop and apply high-resolution functional genomics approaches that include inducible target protein degradation and systems-wide experimental methods.

In my talk, I will present our latest work on the role of BET bromodomain proteins in transcription and RNA processing regulation in human cells. BET proteins have been implicated in a range of human diseases and are also involved in viral infection.



**October
10th 2023
3:00 PM**



Disrupt - Evade - Exploit

Gene expression and host response programming in DNA virus infection

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