



# FASSBERG Seminar Series

**Thursday**  
**13. 12. 2018**  
**13:00 s.t.**



**Asifa Akhtar**

*Max Planck Institute of Immunology and  
Epigenetics Freiburg, Germany*

## **Epigenetic regulation by histone acetylation**

Our lab is studying the chromatin and epigenetic mechanisms regulated by histone acetylation using evolutionary conserved complexes associated with MOF, a MYST family of histone acetyl transferase. In flies and mammals MOF is associated with the MSL and NSL complexes, which are important regulators of gene expression. In flies, the MSL complex is well known for regulation of the X chromosome by the process of dosage compensation, while the NSL complex regulates expression of house keeping genes. In mammals, both complexes appear to be involved in regulating diverse cellular processes. The recent progress of our work will be presented.



**Tower IV, Seminar Room, 2<sup>nd</sup> Floor**

Max Planck Institute for Biophysical Chemistry, Am Fassberg 11, 37079 Göttingen