



Seminar  
series

**Thursday**  
**7 December 2017**  
**2.00 pm**



**Julie Ahringer**

*The Gurdon Institute,  
University of Cambridge, UK*

## **Genome architecture and regulation in *C. elegans***

All nuclear events take place in the context of chromatin, the organization of genomic DNA with histones and hundreds of associated proteins and RNAs. Chromatin is regulated at local and domain scale levels, directing nuclear processes such as active and repressed transcription. Such regulation plays a central role in normal development and misregulation is associated with disease. I will discuss the partitioning of the genome into broad chromatin domains, activities of promoters and enhancers, and the analysis of interactions between regulatory elements genome-wide at high resolution.

Host: Prof. Dr. Patrick Cramer

Place: Max Planck Institute for Biophysical Chemistry

Department of Molecular Biology

T4, 2<sup>nd</sup> floor