

# SFB 960-/BZR – Kolloquium

15. Oktober 2012, 15.00 Uhr  
BIO 5.2.38



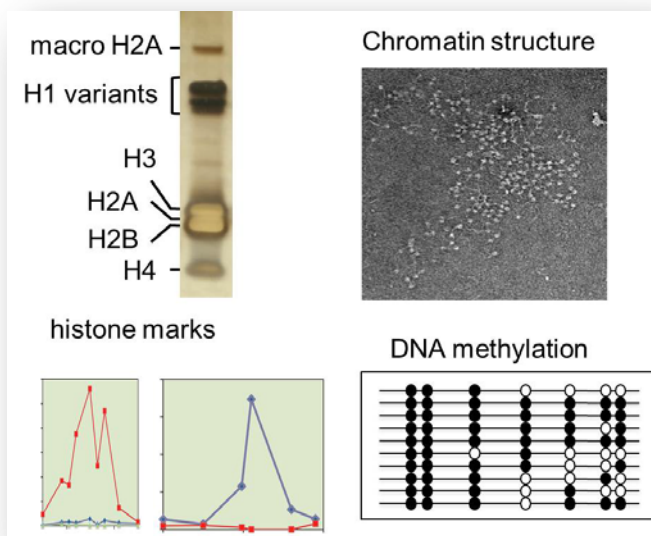
## Dr. Andreas Ehrensberger

Cancer Research UK  
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### Reconstituting State Transitions of Native Mammalian Chromatin

Gene regulation in mammals is controlled by the tissue-specific chromatin signature, as characterized by patterns of nucleosome positions, DNA methylation and histone marks.

I will describe a new method for isolating the entire genome as native chromatin and present evidence for preservation of the native state. The chromatin is pure, as characterized by electron microscopy and SDS-PAGE, and can be prepared from primary tissues and cultured cells. I will conclude with specific applications, including studies of heterochromatin spread, recruitment of histone methyltransferases and a mechanistic examination of the earliest steps of cellular reprogramming.



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