

34. Epigenetics

1 unit, Iestyn Whitehouse, October 17, 2025

Epigenetics

- Histones and the nucleosome
- Post-translational modifications of histones
- Global views of chromatin structure
- Epigenetics

Papers:

Discussion paper:

Dynamics and memory of heterochromatin in living cells.
Hathaway, N. A. et al. *Cell* **149**, 1447-1460 (2012).

- Related paper of interest: Hodges, C. & Crabtree, G. R. Dynamics of inherently bounded histone modification domains. *Proc Natl Acad Sci U S A* **109**, 13296-13301 (2012).
- General review paper: Rando, O. J. & Chang, H. Y. Genome-wide views of chromatin structure. *Annu Rev Biochem* **78**, 245-271 (2009).