**Discovering Epigenetics - Making your Mark**

**Run your own ChIP-Seq experiment:**

* Print both versions of the board (A2; 42cm x 59.4cm)
* Print DNA strip onto A4 sheet, cut it out stick it together.
* Stick on numbered cotton reels to represent nucleosomes
* Follow the instructions on the board:
	+ Wrap your DNA twice round each nucleosomes from 1 to 8
	+ Cut DNA ribbon each side of the accessible (pink) nucleosome
	+ Unwind the cut section of DNA and compare it with the two sequences on the game board
	+ Identify which of the two genes is being transcribed