



Wednesday, November 29, 2017

LSC 3 | 12:00 - 1:00PM

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### ***“Targeting epigenetic readers”***

Plant homeodomain (PHD) fingers, YEATS, Tudor, CW and bromodomains are found in proteins involved in a wide array of fundamental biological processes, including transcription, replication, DNA damage repair, cell differentiation and survival. These domains comprise a large family of epigenetic readers, capable of recognizing PTMs (posttranslational modifications) in histones. Here, I will detail the binding mechanisms and biological functions of the readers that select for methylated, acetylated, and unmodified histone H3 tails. I will compare specificities and discuss the significance of crosstalk between PTMs and the consequence of combinatorial readout for the recruitment of these readers to chromatin.

Live Online Seminar Viewing:  
<http://tinyurl.com/cbrseminaronline>