

Wednesday, October 31, 2018

LSC 3 | 12:00 - 1:00PM



## Dr. Pamela Hoodless

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### “Coordination of epigenetic and transcriptional networks in liver development”

Transcription factors control tissue-specific gene expression. However, the mechanisms through which transcription factors drive gene expression networks through differentiation are unclear. We examined the genome-wide binding of the hepatic master regulators, FOXA2 and HNF4A, and observed that these factors can switch enhancer occupancy between the embryo and adult. This enhancer switching reflects distinct gene expression programs in the embryonic hepatoblast and adult hepatocyte. To address the question of what dictates enhancer occupancy by transcription factors, we are exploring the Hippo signalling pathways and the epigenetic environment of enhancers in liver development.

Live Online Seminar Viewing:  
<https://meet.ubc.ca/hana.kim/YGHMR41Q>