



## Alternative polyadenylation: mechanisms and consequences



Alternative polyadenylation (APA) is an RNA-processing mechanism that generates distinct 3' termini on mRNAs and other RNA polymerase II transcripts. It is widespread across all eukaryotic species and is recognized as a major mechanism of gene regulation. APA exhibits tissue specificity and is important for cell proliferation and differentiation. In this seminar, I will discuss mechanisms at molecular and systems levels that have been implicated in APA regulation under cell differentiation and stress conditions. I will also present our recent data aimed at understanding the consequences of APA in modulation of gene expression and mRNA metabolism.

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Host: Drs. Benjamin  
Blencowe and Quaid Morris

**Date:** Wednesday, February 6, 2019  
**Time:** 11:00 AM  
**Place:** CCBR Red Room