



The **Trivedi School of Biosciences** invites  
you to a Faculty Applicant Seminar

## “Modular CRISPR in Genome Engineering”

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Cas9 is a programmable RNA-guided DNA endonuclease that has allowed the facile introduction of genomic alterations. Cas9-based methods have transformed gene-editing and the interrogation of gene functions but controlling such enzyme across numerous dimensions—including dose, time, and specificity remained the limiting factors for its therapeutic intervention. I will discuss three different methods that I developed either by generating drug inducible system or opto-chemical control or inhibition control towards CRISPR-based modular gene-editing and transcriptional regulation.

Maji and Moore *et al.* *Nature Chemical Biology*,  
**2017**, *13*, 9-11

Maji *et al.* *Cell*, **2019**, *177*, 1067-1079.

**Date:** Wednesday, November 11, 2020

**Time:** 1:30 – 2:45 PM

**<https://zoom.us/j/6017658790?pwd=NDlSdGpUcXRoK09DLodGMUUzV1Irdz09>**