



GEORGETOWN UNIVERSITY  
Georgetown University Medical Center  
Department of Biochemistry  
and Molecular & Cellular Biology

## The Department of Biochemistry Presents:

BHUSSRY SEMINAR SERIES 2020-2021

February 16th, 2021

12pm - 1pm

### Supraphysiological Testosterone: Engaging the Immune System in Prostate Cancer



**Dr. Sushant Kachhap**  
**Assistant Professor,**  
**Sidney Kimmel Comprehensive Cancer Center**  
**Johns Hopkins University School of Medicine**  
**Baltimore, Maryland**

Bipolar androgen therapy (BAT) is a paradoxical approach for the treatment of castration-resistant prostate cancer (CRPC) whereby testosterone levels are rapidly cycled between supraphysiologic and castrate concentrations. Understanding how BAT works at the molecular and cellular levels might help in rationally combining BAT with other agents to achieve increased efficacy and tumor responses. Our data indicates that SupraT activates immune signaling by inducing the STING-TBK1 pathway signaling.

Join Zoom Meeting

<https://georgetown.zoom.us/j/99661304010?pwd=N1RQZ1N1RkVJZGVLT2ZhdFhVQINvZz09>