

Department of Biomedical Sciences  
presents a seminar



## “Vibrio cholerae’s gut feelings”

Dr. Jay Jun Zhu  
Perelman School of Medicine  
University of Pennsylvania

**Date :** 17 November 2017

**Time:** 11:00am to 12:30pm

**Venue:** Meeting Room 1B-G04, G/F, Block 1, To Yuen Building

### Abstract

To be successful pathogens, bacteria must often modulate the expression of different set of genes in host environments. This requires a physical or chemical marker of the host environment as well as a cognate bacterial system for sensing the presence of a host to appropriately time the regulation of virulence. In this talk, I will use a human pathogen *Vibrio cholerae*, which is the causative agent of the diarrheal disease cholera, as an example to elucidate how pathogens hijack the host signals to reprogram their gene expression upon entering the host and along the infection.

### About the Speaker

Dr. Jay Zhu obtained his PhD degree from Cornell University and completed postdoctoral studies from Harvard Medical School and Cornell University. He is an Associate Professor of Microbiology at Perelman School of Medicine, University of Pennsylvania. He has published more than 75 papers in reputed journals and has been serving on Editorial Board of a number of Microbiology journals. He is also a standing member of NIH BACP study section.

Enquiry:

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**All are welcome !**