

Cellular and Molecular Genetics Training Program Presents

**Host - Pathogen Interactions:  
Mechanisms, Meaning & Medicine**

Atkinson Hall, UCSD

January 19th, 2018 – 9:00 AM - 5:00 PM



**Keynote Speaker: Nels Elde, University of Utah**  
“Evolutionary innovations from biological collisions”

**Kristian Andersen, TSRI**

From Ebola to Zika -  
tracking large-scale outbreaks using genomics

**Kelly Doran, CU Boulder**

Mechanisms of Blood-Brain Barrier  
Penetration by Group B Streptococcus

**Pascal Gagneux, UCSD**

Mammalian Sperm as Pathogens –  
Interplay between Natural and Sexual Selection

**Roland Liu, UCSD**

Minor modifications alter antibiotic  
mechanism of action of plant defense metabolites

**Wenbo Ma, UC Riverside**

Effector proteins as molecular probes  
to understand pathogenicity

**Nick Shikuma, SDSU**

Stimulation of Animal Metamorphosis by Bacteria

**James Nieh, UCSD**

The milkmaid strategy: Using immune priming  
to activate honey bee immunity against a common  
microsporidian pathogen, *Nosema ceranae*

**Victor Nizet, UCSD**

Immune Evasion by Invasive Group A Streptococcus:  
The Flesh-Eating Bacteria

**Marygorret Obonyo, UCSD**

Helicobacter-induced inflammation: Role of MyD88

**Floyd Romesberg, TSRI**

Development of antibiotics that inhibit protein  
secretion

**Andrew Ryan, UCSD**

Investigating the antiviral role of mammalian PARP  
proteins

**Erica Ollman Sapphire, TSRI**

Antibodies against Viral Hemorrhagic Fever:  
It takes a Village

5T32GM007240



National Institutes  
of Health

Register (free) @ [CMG.UCSD.EDU](http://CMG.UCSD.EDU)