



2021 Microbiology & Immunology Departmental Retreat

Friday October 29, 2021, Port Jefferson Village Center

9:45-10:00 David Thanassi- **Chairman's welcome and opening remarks**

Session I *Adeline Luperchio, Moderator*

10:00-10:25 Bettina Fries
Talk Title

10:30-10:55 Hwan Kim
Love and hate relationship with Rickettsia amblyommatis, the newly emerging agent of spotted fever rickettsiosis

11:00-11:25 Pawan Kumar
Immune and stem cell interaction at the intestinal mucosa

11:30-11:55 David Thanassi
Structure and function of bacterial secretion systems in Escherichia coli and Francisella tularensis

12:00-1:15 **Luncheon and group photo**

Session II *Postdoctoral presentations*

1:15-1:35 Kasturi Banerjee, PhD (Fries Lab)
Antibodies: a strategy for treating carbapenem-resistant Klebsiella pneumoniae

1:35-1:55 Ankita Singh, PhD (Kumar Lab)
IL-22 plays a protective role in colitis by altering the glycan profile of mucin

1:55-2:15 Nivea Pereira De Sá, PhD (Del Poeta Lab)
Structure and inhibition of Cryptococcus neoformans sterylglucosidase to develop antifungal agents

2:15-2:30 **New graduate student introduction & awards—Nick Carpino**

Session III *Hoi Tong Wong, Moderator*

2:30-2:55 Charles Vorkas
Innate lymphocytes and Tuberculosis

3:00-3:25 Wali Karzi
The role of ATP-fueled proteases in bacterial pathogenesis

3:30-4:30 **Keynote Address: Thomas MacCarthy**
Talk Title

4:30-5:45 **Poster Session and Reception**