

March 3rd, 2022

WebEx Meeting Link <https://rutgers.webex.com/rutgers/j.php?MTID=m9512f6e502263e82a589220bc60b96d1>

9:00	Opening Remarks: William Gause	
Session I Moderator: Yosuke Kumamoto and Dane Parker		
9:10	Darin Wiesner	<i>Maladaptive Immune Responses to Unfun Fungal</i>
9:20	Jun Wang	<i>Drug Discovery and Pharmacology of SARS-CoV-2 Antivirals</i>
9:30	Jian Cao	<i>Hepatitis B virus integrations drive hepatocellular carcinoma</i>
9:40	Antonio Merolli	<i>An intra-cytoplasmic (spike independent) cell-to-cell SARS-CoV-2 transmission</i>
9:50	Jason Weinstein	<i>B and T cell responses in infection and autoimmunity</i>
10:00	Preeti Bharaj	<i>Bio containment facility and core services</i>
10:10	Samantha Bell	<i>Intracellular Mtb activates macrophages' potent killing mechanisms</i>
10:20	Lipin Zhao	<i>Nutritional modulation of gut microbiota as part of the COVID-19 care</i>
10:30	Stephen Anderson	<i>SARS-CoV-2 vaccines: Towards a universal heterologous booster</i>
10:40	Break	
Session II Moderator: Selvakumar Subbian and Lisa Denzin		
10:55	David Alland	<i>Tracking the Mycobacterium tuberculosis clonal precursors of drug tolerance and resistance</i>
11:05	Gaetan Barbet	<i>The Biology of Mononuclear Phagocytes</i>
11:15	Ping Xie	<i>Molecular mechanisms of immune regulation and cancer pathogenesis</i>
11:25	Dane Parker	<i>Anti-virulence strategy to combat Staphylococcus aureus</i>
11:35	Diana Roopchand	<i>Phytochemicals and metabolic disease</i>
11:45	Steven Levison	<i>Modestly Increasing Systemic Interleukin-6 Disturbs Brain Development and Produces Autism Spectrum Disorder-like Deficits</i>
11:55	Nick Bessman	<i>Iron homeostasis in inflammatory disease</i>
12:05	Jeff Boyd	<i>Metal ion homeostasis in Staphylococcus aureus</i>
12:15	Valentina Guerrini	<i>Innate immune responses: from foam cells to sex bias</i>
12:25	Lunch Break	
Session III Moderator: Dane Parker and Gaetan Bardet		
1:00	Vincent Smeraglia	<i>Overview of research core facilities at Rutgers</i>
1:20	Max Tischfield	<i>Effects of pressure and fluid dynamics on meningeal lymphatics in craniosynostosis</i>
1:30	Pradeep Kumar	<i>Tuberculosis: finding new drugs and novel targets</i>
1:40	Kyle Payne	<i>Towards understanding the regulation of protective immunity in ovarian cancer</i>
1:50	Purnima Bhanot	<i>Plasmodium's infection of the liver</i>
2:00	Utz Herbig	<i>Causes and Consequences of Senescent CD8⁺ T Cells in Aging Humans</i>
2:10	Srujana Samhita Yadavalli	<i>Small Proteins and Epitranscriptomic Factors: Emerging mechanisms in bacterial gene regulation</i>
2:20	Debra Laskin	<i>Macrophages in Lung Injury and Disease Pathogenesis: Agents of Defense or Destruction?</i>
2:30	Lea Ann Chen	<i>Uncovering Inflammatory Bowel Disease Etiology through Study of Genetic and Microbiome Risk in Multiplex Families</i>
2:40	Break	
Session IV Moderator: Lisa Denzin and Yosuke Kumamoto		
2:55	William Gause	<i>Initiation of type 2 immunity</i>
3:05	Vasileios Petrou	<i>Structure determination of membrane proteins by cryoEM</i>
3:15	Brian Daniels	<i>Astrocytic p53 signaling suppresses immunometabolic restriction of flavivirus infection</i>
3:25	Yingda Xie	<i>Excavating a spectrum of tuberculosis and COVID-19 below the diagnostic limit of detection</i>
3:35	George Yap	<i>Immune control of stress response</i>
3:45	Raymond Birge	<i>Targeting Merk and Phosphatidyserine in Breast Cancer</i>
3:55	Karen Edelblum	<i>Gamma delta intraepithelial lymphocyte regulation of the intestinal barrier</i>
4:05	Selvakumar Subbian	<i>Host directed therapy for tuberculosis</i>
4:15	Derek Sant'Angelo	<i>PLZF-like transcription factors control the function of multiple immune lineages</i>
4:25	Closing Remarks: William Gause	