

Presentation in 3-Minutes on COVID-19 Modulation of Human Diseases

at

The 25th Anniversary of the Petersheim Academic Exposition at Seton Hall University
April 26-April 30, 2021

Faculty Sponsor: *Sulie L. Chang; Ph.D.*, Professor of Biological Sciences, and Director, Institute of Neuroimmune Pharmacology
Technical Support: *Jarrod Cecere, MS*, Instructional Designer, Stillman School of Business, Biology, Chemistry, Physics

Time slots		Tuesday, April 27, 2021	
3:45 pm-3:48 pm	Presenter: Cassie Perez	Title: Examining Mechanism Underlying Persistent COVID-19 Pneumonia Enhancing Risk of Lung Cancer	
3:49 pm-3:52 pm	Presenter: Ruben Martinez	Title: Analysis on How Covid-19 Affects Patients with Valvular Regurgitation	
3:53 pm-3:56 pm	Presenter: Matea Toleska	Title: Pathway Analysis of COVID-19 Modulation Of ACE2 Leading to Alzheimer's Disease via Overlapping Molecules	
3:57 pm-4:00 pm	Presenter: Katherine Iovel	Title: Meta-Analysis on the Molecular Mechanisms Underlying COVID-19 Augmentation of Epilepsy	
4:01 pm-4:04 pm	Presenter: Thanelie Bien-Aime	Title: Meta- Analysis of COVID-19 Modulation of ACE2 Leading to Sarcopenia	
4:05 pm-4:08 pm	Presenter: Ryan C. Camacho	Title: Network Meta-Analysis of COVID-19 Modulation of Amyloid Precursor Protein in Brain Endothelium	
4:09 pm-4:12 pm	Presenter: Anna Furman	Title: Meta-Analysis of Genetic Deletion in CAV3 gene and Creatine Kinase in Its Effect on Mortality Rate in COVID-19 Infected Patients	
4:13 pm-4:16 pm	Presenter: Alyssa Caradonna	Title: Network Meta-Analysis of COVID-19 Modulation of ACE-2 Leading to Alzheimer's Disease via Similarities in Inflammatory and Plaque Formation Pathways	
4:17 pm-4:20 pm	Presenter: Victoria Fox	Title: Network Meta-Analysis of SARS-CoV-2 Infection Causing Myocarditis	

4:21 pm-4:24 pm	Presenter: Tierney Summer Gonzalez Title: The Relation Between Nicotine and Susceptibility to COVID-19
4:25 pm-4:28 pm	Presenter: Tyler Manlangit Title: Meta-Analysis of COVID-19 Modulation of Intermediary Molecules Augmenting the Occurrence of Seizures
4:29 pm-4:32 pm	Presenter: Alaina Dorlon Title: The Analysis of the SARS2 COVID-19 mRNA Vaccine and Its Potential Effects on Female Fertility
4:33 pm-4:36 pm	Presenter: Ashley Aiello Title: Meta-Analysis on the Involvement of STAT1 in CH25H Inhibition of SARS-CoV-2 Invasion into the Host Cells
4:37 pm-4:40 pm	Presenter: Divya Dadi Title: Modulation of Chloroquine on the Hepatic System Due to COVID-19 Treatments
4:41 pm-4:44 pm	Presenter: Michael N. Romero Title: The COVID-19 Cytokine Storm and the Association of this Cytokine Storm with Broad Spectrum Acute Coronary Syndromes
4:45 pm-4:48 pm	Presenter: Larissa Sagha Title: The Role of Serotonin Dysfunction in COVID-19 and Parkinson's Disease
4:58 pm-5:01 pm	Presenter: Macy Rauch Title: Pathway Analysis of the Mechanisms Involved in the Susceptibility of COVID-19 for Individuals Who Smoke
5:02 pm-5:05 pm	Presenter: Alyssa Lee Title: Pathway Analysis of the Mechanisms Underlying Smoker's Enhanced Susceptibility to COVID-19
5:06 pm-5:09 pm	Presenter: Michael Kao Title: Network Meta-Analysis of COVID-19 Modulation of PSEN1 Leading to Alzheimer's Disease
5:10 pm-5:13 pm	Presenter: Sriprasanna Bandarupalli Title: Effects of Hypothyroidism and Hyperthyroidism on COVID-19
5:14 pm-5:17 pm	Presenter: Alexis Reed Title: Meta-Analysis of COVID-19 in Development of Neurodegenerative Disease
5:18 pm-5:21 pm	Presenter: Antoinette Carman Title: Meta-Analysis of the Mechanisms Underlying the Mild Pathology of COVID-19 of Cystic Fibrosis Patients

5:22 pm-5:25 pm	Presenter: Mary Nowak Title: T-Lymphocyte Exhaustion in COVID-19 and Stage I-II Non-Small Cell Lung Cancer: a Meta-Analysis
5:26 pm-5:29 pm	Presenter: Kevin Mulholland Title: Analysis of the Effects of Adderall on COVID-19 Pathology
5:30 pm-5:33 pm	Presenter: Helena Schnittberger Title: Meta-Analysis of the Mechanisms Underlying Nicotine Modulation of COVID-19 Pathologies
5:34 pm-5:37 pm	Presenter: Tatiana Gonzalez Title: Meta-Analysis of IL-10 in COVID-19 Pathologies
5:38 pm-5:41 pm	Presenter: Maha Khan Title: Analysis on Type 2 Diabetes Mellitus Augmentation of COVID-19 Pathologies
5:42 pm-5:45 pm	Presenter: Xiomara Mejia Title: Molecular Networking Between Guillain-Barre Syndrome and COVID-19
5:46 pm-5:49 pm	Presenter: Benjamin Saxon Title: Network Meta Analysis of COVID-19 Modulation of ACE2 Leading to Parkinson's Disease
5:50 pm-5:53 pm	Presenter: Cristina Casimiro Title: Sustentacular Cells Involvement in SARS-CoV-2 Virus Entry, Hyosmia & Anosmia
5:54 pm-5:57 pm	Presenter: Alex Knight Title: Network Meta- Analysis of Dehydration Effect on Pathophysiology of Myasthenia Gravis through Analysis of Interleukin 4
5:58 pm-6:01 pm	Presenter: Lauren Treanor Title: Chronic Opioid Use Modulates Immune Function Leading to Increased Risk of Severe COVID-19
6:02 pm-6:05 pm	Presenter: Ricardo Vargas Title: TBA
	Presenter: Professor Jessica Cottrell, Ph.D. Title: Using the Bioinformatics Tools in the Capstone Course of the Biological Sciences

The above presentation order was prepared as per Tatiana Rengifo's lottery pick of the 4199 AA and CC students. We thank both Wenfei Huang and Tanvi Patel's assistance in agenda preparation. Rengifo, Huang and Patel are the student workers at Institute of Neuroimmune Pharmacology.