

**SOCIETY FOR INHERITED METABOLIC DISORDERS
VIRTUAL EVENT
MAY 10, 2021**

Metabolic Disease and the Immune System

ALL TIMES IN EDT

3:00 PM

Lobby opens – Come visit our Industry Sponsored Resource Center and chat with company representatives. Live chat is available. Thanks to our corporate sponsors we are able to provide this virtual symposium.

4:00 PM – 4:30PM



PRESIDENTIAL ADDRESS

A time like no other

Georgianne Arnold, M.D.

SIMD President 2019 - 2021

Professor of Pediatrics, University of Pittsburgh

Clinical Research Director, UPMC Childrens' Hospital of Pittsburgh

Pittsburgh, PA

Dr. Georgianne Arnold did her undergraduate studies in Biology and Chemistry at Indiana University, and a Master's Degree in Medical Genetic from Indiana University-Purdue University at Indianapolis. She then graduated from Medical School at Upstate Medical University, completed a residency in Pediatric at Northwestern University, and a fellowship in Genetics at the University of Colorado. Her original intention was to become a dysmorphologist, but during her fellowship she got bit by the metabolic bug and never looked back. Currently, Dr. Arnold is a professor of Pediatrics at the University of Pittsburgh and is Clinical Research Director at UPMC Children's Hospital of Pittsburgh. Her interests are in outcomes studies and clinical practice guidelines.

4:30 PM – 5:10 PM



Immune aspects of metabolic decompensation due to infection

Peter J. McGuire, M.S., M.D.

Head, Metabolism, Infection and Immunity (MINI) Section

Investigator, National Human Genome Research Institute

National Institutes of Health

Bethesda, MD

Dr. Peter McGuire received his bachelor's in psychology from Villanova University, a master's in microbiology and immunology from New York Medical College, and an M.B.B.Ch. (with honors, and equivalent with an M.D.) from the Royal College of Surgeons in Ireland. After completing a combined residency in pediatrics and medical genetics at Mount Sinai Medical Center, he was awarded a fellowship in biochemical genetics from the American College of Medical Genetics and Genzyme. After completing his training, he remained as a junior faculty member in the Program for Inherited Metabolic Diseases at Mount Sinai. Dr. McGuire is board certified in Pediatrics, Clinical Genetics and Clinical Biochemical Genetics. In 2010, Dr. McGuire moved to the National Institutes of Health (NIH) to join the Physician Scientist Development Program to accelerate his translational research program. He was appointed to the position of tenure track Investigator in 2016. Throughout his career, Dr. McGuire has been focused on improving the care of patients with

	<p>disorders of mitochondrial metabolism. By combining his training in immunology and biochemical genetics, he fashioned a translational research program to understand the interplay between mitochondrial metabolism, viral infections and the immune system. His NIH Clinical Center protocols, the NIH MINI Study, is the first organized effort to study infection and immune function in patients with disorders of mitochondrial metabolism.</p>
<p>5:10 PM – 5:50 PM</p> 	<p><i>Mitochondrial control of innate immunity and inflammation</i> A. Phillip West, Ph.D Assistant Professor, Dept. of Microbial Pathogenesis and Immunology, Texas A&M University College of Medicine Bryan, TX</p> <p>Dr. West earned his Ph.D. in Immunobiology from Yale School of Medicine in 2011, followed by postdoctoral training in the Departments of Pathology and Genetics at Yale School of Medicine. In 2016, Dr. West joined the faculty at Texas A&M University College of Medicine as an Assistant Professor. His research program aims to define how mitochondria function as central regulators of immune and inflammatory responses in order to better characterize how the mitochondrial-innate immune axis contributes to the pathobiology of human disease and aging</p>
<p>5:50 PM – 6:30 PM</p> 	<p><i>Immune Tolerance Induction to Preclude Immune Responses to Enzyme Replacement Therapy in Slowly Progressive LSDs : a Preponderance of Evidence Evaluation</i> Amy Rosenberg, M.D. Supervisory Medical Officer and Director Division of Biologics Review and Research 3 Office of Biotechnology Products CDER U.S. Food and Drug Administration Silver Spring, MD</p> <p>A physician immunologist with extensive background in immunology and expertise in development and immunogenicity of therapeutic proteins and cellular products. I have been involved in the regulation and approval of numerous FDA regulated products including hematopoietic stem cells and their selection devices, therapeutic proteins including monoclonal antibodies and fusion proteins, enzyme replacement therapies, immunomodulators including interleukins and interferons, hematologic and somatic cell growth factors, and combination device-biologics. I have extensive knowledge of product quality issues as well as the clinical aspects of experimental investigations and am a leading expert in the immunogenicity of therapeutic proteins and immune tolerance as a mitigation strategy. I serve as FDA expert consultant to the National Institutes of Health’s Immune Tolerance Network. I received an M.D. from the Albert Einstein College of Medicine and trained at NYU-Manhattan VA in Internal Medicine and Infectious Diseases. Post-doctoral work in Immunology was done in the Laboratory of Alfred Singer in the Experimental Immunology Branch of the NCI before joining the FDA.</p>
<p>6:30 PM – 7:00 PM</p>	<p>Q & A Live chat with speakers, panel members and attendees</p>
<p>7:00 PM – 7:30 PM</p>	<p>Social hour: Visit the Industry Sponsored Resource Center, Interest group discussion, chat with colleagues</p>