2017 Microbiome Pilot & Feasibility Grants

“Revealing the impact of gut microbiome on brain network dynamics driving mood”
Danielle Bassett, PhD
Eduardo D. Glandt Faculty Fellow, Associate Professor
Department of Bioengineering, University of Pennsylvania

“Antibiotic resistance genes in the fecal microbiome of dairy cattle and humans”
Zhengxia Dou, PhD
Professor of Agricultural Systems
School of Veterinary Medicine, University of Pennsylvania

“Investigating the connections between the microbiota and host through metabolic and protein modification pathways with a special emphasis on butyrate and epigenetics”
Benjamin Garcia, PhD
Presidential Professor of Biochemistry and Biophysics
Epigenetics Program, Department of Biochemistry & Biophysics, University of Pennsylvania

“Investigating the impact of the microbiome on abnormalities of brain development associated with irritability in youth”
Theodore Satterthwaite, MD
Assistant Professor of Psychiatry
Neuropsychiatry Section, Department of Psychiatry, University of Pennsylvania

“Leveraging the immune system to mine for microbes that prevent autoimmune diabetes”
Michael Silverman, MD/PhD
Assistant Professor of Pediatrics
Division of Infectious Diseases, Children’s Hospital of Philadelphia

“Evaluating the cutaneous virome in patients with psoriasis and response to ultraviolet light therapy”
Junko Takeshita, MD/PhD/MSCE
Assistant Professor
Department of Dermatology, University of Pennsylvania

“Effect of the intestinal microbiome on pancreatic cancer development”
Robert Vonderheide, MD/DPhil
Hanna Wise Professor of Cancer Research, Vice Chief of Research Hematology-Oncology
Perelman School of Medicine, University of Pennsylvania

“The role of host-microbiota interactions in the regulation of inflammatory myelopoiesis”
Lehn Weaver, MD/PhD
Instructor in Pediatrics
Pediatric Rheumatology, Children’s Hospital of Philadelphia