

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