GHUCCTS Announces 2022-2023 Translational Biomedical Science (TBS) Program Scholars

The Georgetown-Howard Universities Center for Clinical and Translational Science (GHUCCTS) is proud to introduce our 2022-2023 Translational Biomedical Science (TBS) program scholars.

The goal of the TBS program is to prepare pre-doctoral students and post-doctoral fellows (MDs and PhDs) to serve as the critical link in advancing the translation of basic science into improved outcomes for health, aging and disease. The primary aim of the TBS program is to provide the training necessary for scientists to become the next generation of leaders in translational biomedical research. Emphasis is placed on teaching trainees how to build interdisciplinary collaborative research programs by providing them with dual mentored training experiences in preclinical and clinical research. The TBS Program leverages the rich partnerships that GHUCCTS has established among Georgetown University Medical Center (GUMC), Howard University College of Medicine (HUCM), MedStar Health Research Institute (MHRI), the Washington, D.C. Veterans Affairs Medical Center (DC VAMC) and Oak Ridge National Laboratory (ORNL).

PRE-DOCTORAL STUDENTS:

Emma C. Rowland is a PhD candidate in the Georgetown University Department of Biochemistry. Her TL1 project will Investigating and targeting epigenetic and metabolic perturbations involved in TMZ resistance in Glioblastoma Multiforme. Her mentors are Nagi Ayad, PhD at Georgetown University and Jing Wu, MD/PhD at NCI, National Institutes of Health.

Mark D. Hatcher is a PhD candidate in the Howard University Department of Physiology and Biophysics. His TL1 project will look at the role of PPARα on the expression and activity of renal sodium transporters during high dietary salt consumption. His mentors are Dexter L. Lee, Ph.D. at Howard University and Kathryn Sandberg, Ph.D. at Georgetown University.

Arthur Patrick McDeed is a PhD candidate in the Georgetown University Department of Biostatistics, Bioinformatic, & Biomathematics. His TL1 project explores novel statistical methods for the analysis of methylated cfDNA in serial liquid biopsy samples. His mentors are Jaeil Ahn, PhD, Ming Tan, PhD, Anton Wellstein, MD/PhD at Georgetown University.

Adam Kaminski is a PhD candidate in the Georgetown University Interdisciplinary Program in Neuroscience. His TL1 project will focus on the functional integration of brain regions across executive control demands in general childhood psychopathology. His mentor is Chandan Vaidya, PhD at Georgetown University.

Deborah J. George is a PhD candidate in the Georgetown University Department of Biology. Her TL1 project looks at the role of Eph/Ephrin Signaling in Type II SGN Turning. Her mentors are Thomas Coate, PhD at Georgetown University and Michael Deans, PhD at the University of Utah.

Jalisa T. Nurse is a PhD candidate in the Howard University Department of Biology. Her TL1 project explores the post-transcriptional regulatory processes in E. coli: regulation and function of sRNAs and RNA modifications. Her mentors are Karl M. Thompson, PhD and Jhansi Gajjala, MD at Howard University.

Collis Brown is a PhD candidate in the Howard University Department of Pharmacology. Her TL1 project is to investigate the potential drug therapy for fragile X tremor/ataxia syndrome. Her mentors are Tamaro Hudson, PhD and Sonya K Sobrian, PhD at Howard University.

Alison Schug is a PhD candidate in the Georgetown University Interdisciplinary Program in Neuroscience. Her TL1 project includes the neuroanatomical and functional effects of bilingualism on dyslexia. Her mentors are Guinevere Eden, D.Phil. at Georgetown University and Nasheed Jamal, MD at UCLA.

POST-DOCTORAL FELLOWS:

Branka Stanic, MD is a post-doctoral fellow at Georgetown University. Her TL1 project investigates the protective effects of angiotensin type 1 receptor antagonists in a model of cognitive dysfunction and anxiety-like behavior induced by sudden ovarian hormone loss. Her mentors are Kathryn Sandberg, PhD, Juan Saavedra, MD at Georgetown University, and Dexter L. Lee, PhD at Howard University.

Alexander Brunfeldt, PhD is a post-doctoral fellow at Georgetown University. His TL1 project focuses on the neurophysiological correlates of upper-extremity impairment and recovery in stroke survivors. His mentors are Barbara Bregman, PT, PhD at Georgetown University and Peter Lum, PhD at The Catholic University of America.

For more information on our new and past scholars, please visit the TBS website.