

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Spring Quarter 2023 – CRN 48450

Friday Seminar at 12:10-1 p.m.
GBSF Auditorium, Room 1005

“Through the looking glass: Viral mimics
and the discovery of novel mitochondrial
functions”

Research Bio: The Hancks Lab was launched in 2017 at UT Southwestern Medical Center in Dallas, Texas with support from a recruitment award from the Cancer Prevention Research Institute of Texas. His lab’s goal is to identify and characterize host and pathogen genes which can determine the outcome of infection.

He was raised a Cubs fan on the Mississippi River in Moline, IL - the home of the John Deere factory. Following high school, Dustin served in the U.S. Army in Virginia and elsewhere working on cargo ships. After working for Uncle Sam, Dustin returned home and obtained an Associate Degree; then attended Southern Illinois University Edwardsville for his Bachelor’s degree. He obtained his Ph.D. in Genetics at the University of Pennsylvania. He then moved west for his postdoc at the University of Utah which was supported by an American Cancer Society Fellowship and a NIH K99 Pathway to Independence Award. In his free time, Dustin enjoys going to rock concerts with his wife; he has attended several hundred to date. In addition, he likes hosting cook-off parties including a chili cook-off now well into its second decade of competition.

Publications

Wang G, Zhang D, Orchard RC, **Hancks DC**, Reese TA. “Norovirus MLKL-like protein initiates cell death to induce viral egress”. *Nature*. 2023 Apr;616(7955):152-158. doi: 10.1038/s41586-023-05851-w. Epub 2023 Mar 29. PMID: 36991121; PMCID: PMC10348409.

Sorouri M, Chang T, Jesudhasan P, Pinkham C, Elde NC, **Hancks DC**. “Signatures of host-pathogen evolutionary conflict reveal MISTR-A conserved Mitochondrial STress Response network”. *PLoS Biol*. 2020 Dec 28;18(12):e3001045. doi: 10.1371/journal.pbio.3001045. PMID: 33370271; PMCID: PMC7793259.

April
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Dustin C. Hancks, Ph.D.
Assistant Professor
Department of Immunology
The University of Texas Southwestern
Medical Center

April 5, 2024
12:10 – 1 p.m.
GBSF Auditorium
Room 1005
In-person presentation

Medical Microbiology
and Immunology
School of Medicine

Seminar Contact:
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We hope to see you there!