Monday, June 4, 2018 • 12:00 – 1:00 pm
Location: 4th floor, New Guyton Building Conference Room

Objectives:
1) Understand how physiological models are developed
2) Understand how populations are created
3) Understand the use of Topological Data Analysis for determining populations resistant to treatment

Dr. Hester is Professor of Physiology, Interim Chair of the Department of Data Sciences and the Director of Center for Computational Medicine, at the University of Mississippi Medical Center. Dr. Hester’s received his BS in Biological Engineering in 1975 and his PhD in Biomedical Engineering in 1982 from the University of Mississippi Medical Center. Dr. Hester’s current research is focusing on the computational simulation of human physiology started by Drs. Guyton and Coleman in the 1970s. HumMod is the latest version of Dr. Coleman computer simulation software. For the last 15 years Dr. Hester has been leading the Center for Computational Medicine in the development of HumMod and other integrative physiological models. HumMod is being used for education, research and clinical trials. Dr. Hester is a member of American Physiological Society, and Biomedical Engineering Society. He has a startup company HC Simulation, LLC that develops HumMod for educational purposes.