TSPO: From Neuroinflammation Biomarker to Function in Glial Cells

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Dr. Guilarte is the dean of the FIU Robert Stempel College of Public Health & Social Work. He took the helm of FIU Stempel College in January 2016. Guilarte comes to FIU after success as the inaugural Leon Hess Professor and Chairman of the Department of Environmental Health Sciences at Columbia University’s Mailman School of Public Health. Before his time at Columbia, Guilarte received his PhD and spent 30 years as a professor and researcher at the Johns Hopkins University Bloomberg School of Public Health.

A leading scientist, educator and academic leader, Guilarte’s research has focused on determining the role on environmental pollutants on neurological and mental disease. His work uses behavioral, cellular and molecular approaches, ranging from studies using primary culture of neural cells to the application of brain imaging technologies. He is recognized worldwide for revealing the effects of low-level lead exposure on the central nervous system during development, and subsequently developing strategies to mitigate neurological effects. He has made many novel findings associated with manganese neurotoxicity. His research team led in the validation and application of a biomarker of brain injury and inflammation that is now used clinically in many major institutions throughout the world.

Monday, April 9, 2018 | Noon to 1:00 pm
Room W5030
Johns Hopkins Bloomberg School of Public Health