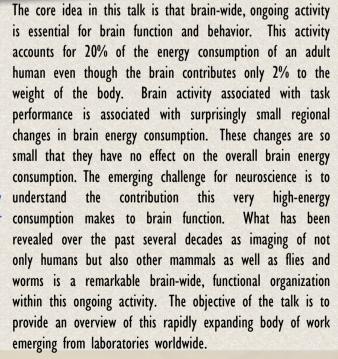


OUR RESTLESS BRAIN - EXPLORING THE BRAIN'S DARK ENERGY A TALK BY MARCUS E. RAICHLE ST. LOUIS

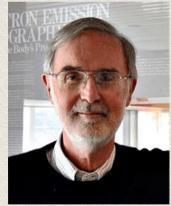
17 GIUGNO **17:00** <u>https://bit.lv/</u> <u>300NFQb</u>





DEL CONTRACTOR

Un ciclo di seminari organizzato da PADOVA NEUROSCIENCE CENTER UNIVERSITÀ DEGLI STUDI DI PADOVA



Marcus E. Raichle, a neurologist, is the Alan A. and Edith L. Wolff Distinguished Professor in Medicine with joint appointments in Radiology, Neurology, Neurobiology, Psychology and Biomedical Engineering at Washington University in St Louis, Missouri, USA. His research over the past 51 years (first scientific paper published 1970) has focused on the relationship of brain circulation and metabolism to brain function. He was the member of the team that introduced the first tomographic images of brain blood flow and oxygen consumption with PET. Noteworthy accomplishments during this time have been the discovery of the relative independence of blood flow and oxygen consumption during spontaneous and evoked changes in brain activity which provided the physiological basis of fMRI; the discovery of a default mode of brain function (i.e., organized intrinsic activity) and its signature system, the brain's default mode network; and that aerobic glycolysis contributes to ongoing brain function independent of oxidative phosphorylation. Current research focuses on the metabolic and neurophysiological organizing principles of the human brain's intrinsic activity in health and disease. He is a member of the US National Academy of Sciences, US National Academy of Medicine and the American Academy of Arts and Sciences.