

SPECIAL RESEARCH SEMINAR

Presented by the Center for Human Neuroscience Research at the Fralin Biomedical Research Institute at VTC



FRALIN BIOMEDICAL RESEARCH INSTITUTE AT VTC
CENTER FOR HUMAN
NEUROSCIENCE RESEARCH
VIRGINIA TECH.



DAN BANG, Ph.D.

Associate Professor

Aarhus University

Adjunct Associate Professor

Fralin Biomedical Research Institute at VTC

In Person Seminar: Electrochemistry in the Conscious Human Brain

The brain's major neuromodulators, such as dopamine, serotonin, and noradrenaline, are crucial for healthy function. Yet our understanding of how and why has been impeded by an inability to measure neuromodulators at fast timescales in the human brain. Excitingly, this situation is rapidly changing. In this talk, Dr. Bang will present recent work from the Montague Lab, who have pioneered electrochemical recordings of sub-second neuromodulator fluctuations in conscious humans. Among other things, Dr. Bang will show that human electrochemistry can be performed using clinical depth electrodes already in place for epilepsy monitoring – opening the door to a truly new area of research on the neuromodulatory basis of human health and disease.

WEDNESDAY, NOV. 8, 2023, at 1 p.m.

Room G101 A/B, 4 Riverside Circle.

Or watch via Zoom at <https://virginiatech.zoom.us/j/88343634836>



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