

# 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.



**NATHAN FAIVRE, Ph.D.**

Professor

CNRS Scientist

Laboratory of Psychology and NeuroCognition  
Grenoble Alpes University, France

## *In Person Seminar: Evidence Accumulation Drives Perceptual Experience*

Perceptual experience is a multi-faceted, dynamical process encompassing both perceptual consciousness and perceptual monitoring. It is tackled empirically through measures of stimulus detectability and confidence ratings. In this talk, Dr. Faivre will argue that stimulus detection and confidence can be explained by evidence accumulation, a form of sequential sampling of sensory evidence performed by the brain. He will present two sets of stereo-electroencephalographic recordings, during which patients with pharmacologically intractable epilepsy performed visual detection and discrimination tasks followed by confidence ratings. Dr. Faivre will discuss the results in light of a computational model explaining key aspects of perceptual experience. He will end the talk by discussing future projects aiming to combine electrophysiological and electrochemical correlates of perceptual experience.

WEDNESDAY, APRIL 3, 2024, at 11 a.m.

Room G101 A/B, 4 Riverside Circle.

Or watch via Zoom at <https://viriniatech.zoom.us/j/82806796506>



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