

ASHBi / HBRC JOINT DISTINGUISHED SEMINAR

Using the Oculomotor System to Identify Biomarkers of Neurological and Psychiatric Disease

Lecturer: **Douglas P. Munoz PhD**
Professor, Canada Research Chair in Neuroscience,
Queen's University, Canada



Date: **Wednesday, 5 January 2022**

Time: **21:00 - 22:00**

Venue: **Zoom Online** Register via the right QR code



Eligibility: **Researchers and Students in Kyoto University**

Dr. Munoz is a world leader in his research field of understanding eye saccades in relation to brain function. His lab combines eye tracking with neurophysiology and neuroimaging to study the brain pathways that control these voluntary eye movements. Using these techniques, his research team aims to understand child development and aging in healthy people as well as in patients with neurological and psychiatric disorders, and to identify potential biomarkers and therapeutic applications to improve cognitive function. Specifically, the research team combines human clinical research, functional brain imaging, and basic animal neurophysiology to understand brain circuits that control oculomotor behaviour and how dysfunction in specific brain circuits produces biomarkers of disease that can be studied with video-based eye tracking.

Organizer : Human Brain Research Center
Institute for the Advanced Study of Human Biology (WPI-ASHBi)

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