Christopher Steele, Ph. D.

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The importance of white matter in health and disease: Applications in multivariate quantification, cerebellar connectivity, and stroke

Vendredi 14 février 2025

12 h à 13 h

En présentiel

Pavillon Paul-G.-Desmarais | 2960, chemin de la Tour, **local 1120**

En ligne

https://umontreal.zoom.us/j/81334546167?pwd=evSqoCY4bmfsMunwmfmfyhWsaqpw3z.1

Research Interests

Training-related neuroplasticity, Electrophysiological bases of motor control, Cerebellar function, structure, and connectivity, White matter connectional architecture, Quantitative assessment of white matter disconnection (stroke, AD), Quantitative and physiologically-specific MRI, Functional dynamics of the brain, Image segmentation and registration.

Research Methods

Functional and structural MRI, Diffusion Weighted Imaging (DWI), Multimodal imaging and image analysis, Automated Serial Histology with Polarization Sensitive Optical Coherence Tomography, Longitudinal training designs, Systems-level cognitive neuroscience, Image processing development (Python).

Entrée libre

La conférence sera présentée en anglais

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