



Postdoctoral fellowship in multimodal neuroimaging of sleep disorders

The Sleep, Cognition and Neuroimaging Lab (SCNLab) is presently recruiting a **Postdoctoral fellow** interested in research on human sleep and sleep disturbances using multimodal neuroimaging (e.g., fMRI, EEG, diffusion tensor imaging, spectroscopy).

Under the supervision of Dr. Thanh Dang-Vu, the fellow will be working on different projects, including a Canadian Institutes of Health Research (CIHR)-funded study examining the neural mechanisms of central disorders of hypersomnolence (i.e., narcolepsy, idiopathic hypersomnia). The fellow will also have access to several datasets from other projects and cohorts to examine the impact of sleep disturbances on cognition and brain function. The fellow will be actively involved in the recruitment, data acquisition and analyses of participants with sleep disturbances, and will co-lead a team of research assistants, graduate and undergraduate trainees involved in these projects. The fellow will also benefit from several collaborations with other sleep and neuroimaging labs, in Montreal and internationally (e.g., Netherlands).

The fellow will be based in the Department of Health, Kinesiology and Applied Physiology at Concordia University in Montreal (Quebec) and at the PERFORM Center (<http://www.concordia.ca/research/perform.html>). The fellow will also be affiliated with the Centre de Recherche de l'Institut Universitaire de Gériatrie de Montréal (CRIUGM; <http://www.criugm.qc.ca/fr.html>). At both PERFORM Center and CRIUGM, the fellow will have access to multiple platforms fully dedicated to research such as a Sleep Lab and an Imaging Suite (including a 3-Tesla MRI). The Sleep, Cognition and Neuroimaging Lab (SCNLab), led by Dr. Dang-Vu, includes 5 bedrooms equipped with polysomnography and high-density EEG systems, actigraphy devices and cognitive testing equipment, and direct access to MRI research facilities within the same building.

Required education/skills: Ph.D. degree (or close to completion) in neuroscience, health sciences or a related field (e.g., psychology, biology, biomedical engineering), excellent organizational skills, autonomy and ability to work in team, good writing skills and established publication record. Experience in one or more aspects of the research themes, particularly in neuroimaging and/or sleep research, is an asset.

Salary will be determined according to the level of training and past experiences. This appointment will be renewable on a yearly basis, contingent on satisfactory performance.

You can apply for this position by sending your curriculum vitae and a letter of motivation to the principal investigator (see contact information below). Request for any additional information should also be directed to him. Review of applications will begin as they are received and will continue until the position has been filled. Start date is flexible, but preferably in November 2021. Only those candidates selected to interview will be contacted.

Thanh Dang-Vu, M.D., Ph.D.

Professor, Neurologist

*Concordia University Research Chair in Sleep,
Neuroimaging and Cognitive Health;
Department of Health, Kinesiology and Applied
Physiology, Concordia University*

*Associate Director for Clinical Research, Research
Ctr of Montreal Geriatric Univ. Institute (CRIUGM)*

Email: tt.dangvu@concordia.ca

*For more information about our current research program, please visit the lab website:
<https://scnlab.com>*