

## Postdoctoral Research Fellow position in novel technologies in mental health assessment at the CERVO Brain research centre affiliated with Université Laval (Québec, Canada)

Thanks to the contribution of the Sentinel North research program ([www.sentinellenord.ulaval.ca](http://www.sentinellenord.ulaval.ca)) and the Canada First Research Excellence Fund, research funding have become available for a 2-year postdoctoral fellowship at the CERVO Brain research centre. The overall purpose of this fellowship is to apply novel optical technologies (i.e., electroretinogram and human neurones derived from induced pluripotent stem cells) to the study of mental health and its environmental determinants in Inuit youth from Nunavik. This fellowship will provide the candidate a unique opportunity to conduct innovative interdisciplinary research projects, enabling them to extend and contribute to knowledge of risk biomarkers and determinants of mental health in the northern context. Anticipated start date is September 1, 2018, negotiable.

The successful candidate will work under the shared leadership of Dr. **Pierre Marquet**, professor at the Department of Psychiatry and Neurosciences and the chairholder of the Canada Excellence Chair in Neurophotonics, expert in the non-invasive study of cerebral cells and tissues using multimodal optical microscopy techniques, and Dr. **Marc Hébert**, professor at the Department of Ophthalmology and otorhinolaryngology, specialist in the study of the biological clock, or chronobiology, and photobiology, in conjunction with other research team members, including Dr. **Gina Muckle**, professor at the School of Psychology, expert in child development, indigenous and environmental health, and Dr. **Richard E. Bélanger**, professor at the Department of Pediatrics and clinical scientist in pediatrics and adolescent medicine, expert in adolescent and young adults' health determinants. The fellowship will be carried out in a collaborative and stimulating environment of the CERVO Brain research centre (<https://cervo.ulaval.ca/en>) affiliated with Université Laval, which is leading multi-disciplinary research and training environment, whose mission is to search for the causes of neurological and psychiatric diseases and to advance knowledge in the treatment of these diseases, through basic and clinical neuroscience research.

We are seeking highly motivated candidate with a Ph.D. in Biophotonics, Neurobiology, Clinical and Biomedical Sciences or a related field. Experience in cohort studies would be considered assets. Excellent communication skills, advanced statistical training and knowledge of statistical software packages, as well as demonstrated ability to writing and publication of high-calibre scientific articles (at least two first author publications) are required. Also, candidate ability to work as part of a multidisciplinary team is an important skill. Key accountabilities of this fellowship involve developing and carrying out research projects, analyzing data, co-authoring and submitting manuscripts and potentially future research grants, gaining experience with the supervision of students, participating in training/scientific communication/knowledge transfer activities.

Interested candidates should submit: 1) cover letter detailing why the applicant is interested in this opportunity and how specified qualifications are met; 2) CV/resume with a complete list of publications; 3) copies of doctoral transcripts; 4) copy of the PhD Diploma or evidence of the thesis deposit; 5) copies of all publications on which the candidate has been an author (first or co-author); 6) letter of support from the thesis supervisor. Inquiries regarding this position and submission of application should be sent to:

Dr. Pierre Marquet

Psychiatry and Neurophotonics Research Laboratory

2601, Chemin de la Canardière, F-4451, Québec (QC)

Canada, G1J 2G3

[lrnp-pnrl@cervo.ulaval.ca](mailto:lrnp-pnrl@cervo.ulaval.ca)

Please note: This position will remain open until filled. We thank all applicants for their interest, however only those selected for an interview will be contacted.