



HEALTHY BRAINS  
FOR HEALTHY LIVES

## **Call for proposals: McGill-Japan (National Institute for Physiological Sciences) travel opportunity**

### **Who**

McGill University's [Healthy Brains for Healthy Lives](#) (HBHL) Initiative is a bold and ambitious plan that unites McGill's world-leading strengths in fundamental and clinical neuroscience research with pioneering work in neuroinformatics, made possible with an \$84 million investment from the Canada First Research Excellence Fund (CFREF) by the Canadian government.

[Mitacs](#) is a Canadian national, not-for-profit organization that works with 60 universities, thousands of companies, and both federal and provincial governments in Canada to design and deliver research and training programs in Canada to support education and research, and to foster collaboration and innovation. [Globalink Research Awards](#) from Mitacs, valued at \$6,000 CAD for travel and accommodation costs, aim to send students from Canada to universities abroad in many partner countries, including Japan, for collaborative research projects.

### **What**

As part of the McGill HBHL-Mitacs partnership, we are organizing a special joint initiative to send 5 students from McGill University to the National Institute for Physiological Sciences (NIPS) in Japan. The National Institute for Physiological Sciences (NIPS) is an inter-university national research institute based in Okazaki, Japan. NIPS is a premier research institute for understanding human physiology with a strong emphasis on neuroscience research. NIPS faculty work within a diverse range of neuroscience areas and utilize cutting-edge infrastructure including electrophysiology and high-resolution confocal, 2-photon, electron microscopy, and MRI techniques.

The goal is for each Master's or PhD student to perform a collaborative project with 1-2 NIPS host professors and their labs for 12-16 weeks. These opportunities are for projects that will require 2 trips to NIPS for 6 weeks at a time in collaboration with host professors who will work with you on two dimensions of a proposed project.

In consultation with their Master's or Ph.D. supervisor, interested students will be able to choose their host labs from the list below. Once the student has chosen his/her exchange lab, associated NIPS and McGill professors will develop a brief agreement about the research project as part of the application. All applications will be reviewed by an HBHL-Mitacs review committee to select the final candidates.

Note that the NIPS partner has generously agreed to cover all accommodation costs.

### **Application deadlines and project start dates**

June 1<sup>st</sup>, 2018 at 12pm EDT for a travel date in October (firm) for the first 6 weeks of the project following a second travel date during Winter 2019 (TBA).

### **How to apply and contact information:**

If you have any questions about the logistics of this opportunity or would like to apply, please contact Dr. Noha Gerges, Business Development Specialist from Mitacs at [ngerges@mitacs.ca](mailto:ngerges@mitacs.ca) or 514-607-8978. For information about NIPS hosts, please contact Dr. Derek Bowie at [derek.bowie@mcgill.ca](mailto:derek.bowie@mcgill.ca).



**Laboratories in NIPS which are happy to accept graduate students from McGill University****Department of Molecular and Cellular Physiology**

01: Division of Biophysics and Neurobiology (Prof Yoshihiro Kubo)

<http://www.nips.ac.jp/eng/research/group/post/>

03: Division of Membrane Physiology (Prof Masaki Fukata)

<http://www.nips.ac.jp/eng/research/group/post-2/>

**Department of Homeostatic Regulation**

11. Division of Cell Structure (name updated) (Prof Mikio Furuse)

<http://www.nips.ac.jp/eng/research/group/post-11/>

04: Division of Cell Signaling (Prof Makoto Tominaga)

<http://www.nips.ac.jp/eng/research/group/post-4/>

08: Division of Cardiocirculatory Signaling (Prof Motohiro Nishida) **(Note: Only once in Oct 2018)**

<http://www.nips.ac.jp/eng/research/group/post-8/>

15. Division of Endocrinology and Metabolism (Prof Yasuhiko Minokoshi)

<http://www.nips.ac.jp/eng/research/group/post-16/>

**Department of Fundamental Neuroscience**

12: Division of Cerebral Circuitry (Prof Yasuo Kawaguchi)

<http://www.nips.ac.jp/eng/research/group/post-12/>

14. Division of Homeostatic Development (Prof Junichi Nabekura)

<http://www.nips.ac.jp/eng/research/group/post-15/>

07: Division of Visual Information Processing (Prof Yumiko Yoshimura)

<http://www.nips.ac.jp/eng/research/group/post-7/>

**Department of System Neuroscience**

# Division of Behavioral Development (new) (Prof Masaki Isoda) &

<http://www.nips.ac.jp/eng/research/group/post-48/>

10: Division of System Neurophysiology (Prof Atsushi Nambu) &

<http://www.nips.ac.jp/eng/research/group/post-9/>

13. Division of Cerebral Integration (Prof Norihiro Sadato)

<http://www.nips.ac.jp/eng/research/group/post-13/>

**Supportive Center for Brain Research**

# Section of Brain Structure Information (Associate Prof Kazuyoshi Murata)

<http://www.nips.ac.jp/eng/research/group/post-26/>

**Notes:**

Numbers are those used in the [attached pamphlet](#)

**&**: Requested to submit Medical certificate to prove tuberculosis negative and high titer of measles Ab. (Laboratories in which monkeys are used as experimental animals.)