



Postdoctoral Fellow in Multifactorial Brain Computational Modelling

May 9th, 2018

We are looking for a highly motivated Postdoctoral Fellow to join the newly established *Neuroinformatics for Personalized Medicine lab* (NeuroPM) at the Montreal Neurological Institute (MNI). The postdoc will be under the supervision of Dr Yasser Iturria-Medina, and will be expected to collaborate with multiple associated groups (e.g., Alan C. Evans's and Vladimir Hachinski's groups).

[Dr Yasser Iturria-Medina](#) is an **Assistant Professor** in the Department of Neurology and Neurosurgery, Faculty of Medicine, McGill University (effective August 2018). He leads the **Neuroinformatics for Personalized Medicine (NeuroPM)** lab at the **Montreal Neurological Institute & Hospital** (the NEURO) and is a **Primary Investigator** at the **Ludmer Centre for Neuroinformatics & Mental Health**, a multicenter big-data approach to research in normal brain development and disorders.

The project, extendable for at least two years, includes the modeling of direct multifactorial brain interactions, intra-brain network spreading of aberrant effects, and identification of potential therapeutic signals for multiple brain disorders (e.g. Alzheimer's disease, frontotemporal dementia, schizophrenia, multiple sclerosis).

The [NeuroPM lab](#) is affiliated with the [Healthy brain for Healthy Lives](#) (HBHL) initiative and the [Ludmer Center for Neuroinformatics & Mental Health](#), both involve computationally intensive, interdisciplinary research on the brain. The MNI, the largest training centre for brain research in Canada, is an internationally renowned institution, characterized by the integration of research and patient care.

Qualifications: The interested candidates should have a solid background in mathematical and computational modeling, and advanced programming skills in Matlab. Experience in brain imaging will be an asset.

Start Date: Around September 1, 2018.

Location: Neuroinformatics for Personalized Medicine lab, Montreal Neurological Institute, Montreal, Quebec

Closing Date: Application process will remain open pending deification the appropriate candidate.

Contact:

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- Dr Yasser Iturria Medina's profile page: <http://ludmercentre.ca/dr-yasser-iturria-medina>
- NeuroPM lab: <http://www.neuropm-lab.com>
- Healthy brain for Healthy Lives (HBHL) initiative: <https://www.mcgill.ca/hbhl>
- Ludmer Center for Neuroinformatics & Mental Health: <http://ludmercentre.ca>