

Neuroscience and Psychiatry Fellowship

Integrated clinical and neurobiological research in neurodevelopmental psychiatric disorders.

Number of Positions: One position per year.

Length: One year

1. Goals and Objectives of the Fellowship:

- a. Develop research skills in a specific field of clinical and/or neurobiological investigations in neurodevelopmental disorders including schizophrenia, attention deficit hyperactivity disorders and autism
- b. Develop a broad knowledge bridging clinical (phenomenology, epidemiology...) and neurobiological (genetics, molecular biology...) information in relation to neurodevelopmental disorders.
- c. Develop awareness of the validity of scientific research and critical thinking in relating biology to behaviours.
- d. Write and publish research papers (at least 2 papers).

2. **Names and Roles of the Teaching Faculty:** Ridha Joober MD, PhD. His role will be to supervise the fellow in all aspects of his research and clinical work.

3. Academic Facilities (clinical and research)

- a. This fellowship is based at the Douglas University Institute for Mental health. Dr Joober is the Co-director of the first episode psychosis program at the Douglas. He is the Director of the Schizophrenia and Neurodevelopmental disorders research theme at the Research centre. He also directs (with Dr Grizenko) the child psychiatry research program and he has a genetic and molecular biology laboratory at the research centre. He collaborates with several researchers with a wide range of expertises (brain imaging, Electroencephalography, neuropsychology...). His laboratory is located in the FBC building at the Douglas hospital.

4. Fellow Duties and Responsibilities (clinical, teaching and research):

- a. Develop a research project in line with the laboratory objectives or use already collected data to test/explore hypotheses.
- b. Clinical duties as by department requirements. These duties could be, in some projects, integrated with the research objective.
- c. May participate in teaching activities.

5. Curriculum (case load, schedule, seminars / rounds)

- a. Case load: as required by the department and the research objectives
- b. Seminars: we organise a weekly lab meeting with presentations from the different members of our laboratory
- c. We organize a monthly journal club.