

Department of Neurology and Neurosurgery Clinical and Clinical Research  
Fellowship Application Form

Type of Fellowship: Parkinson's disease / Movement disorders Fellowship

Name of the Fellowship Supervisor: Edward A. Fon

Fellowship Information:

- Number of fellowship positions requested: 2
- Name of hospitals involved in training: MNH/MGH
- Description of Fellowship: This is a combined 2-year basic research (80%) and Clinical (20%) Fellowship.
  - The research component will be carried out in Dr Fon's laboratory in the Center for Neuronal survival, MNI. Under the guidance of the supervisor, each Fellow will be responsible for a research project investigating the molecular basis of Parkinson's disease (PD), using familial PD genes as a model.
  - Under the supervision of the attending neurologist (Fon, Lafontaine, Dagher, Postuma), each Fellow will attend the movement disorders clinic 1 day/week. The Fellows will be responsible for evaluating and treating patients with Parkinson's disease, Parkinsonian syndromes and other movement disorders.
- Research activity and publications related to fellowship: (supervisor's cv appended)
- Mission statement for fellowship:
  - To provide comprehensive research training in the areas of molecular and cellular aspect of Parkinson's disease.
  - To provide scientifically based, comprehensive and effective diagnosis and management for patients with Parkinson's disease, Parkinsonian syndromes and other movement disorders.
- Source of funding for fellowship: The Fellowship is conditional upon successfully securing peer-reviewed Fellowship award funding by the candidate (i.e. CIHR, FRSQ, Parkinson Society Canada). The supervisor/department may supplement these awards depending on specific circumstances.

Names of the Teaching Faculty

Edward Fon

- Roles: Supervisor, Research and clinical
- Summary of clinical practice: Attending neurologist Movement Disorders Clinic, Director McGill Parkinson's Disease Program
- Major Strengths: Clinician-Scientist with expertise in Parkinson's disease

Anne-Louise Lafontaine

- Roles: Clinical Director, Movement Disorders Clinic
- Summary of clinical practice: Neurologist with subspeciality in movement disorders
- Major Strengths: Movement disorders, clinical trial, epidemiology

## Academic Facilities

- Outline facilities for clinical and academic pursuit:
  - Research will be carried out in Dr Fon's laboratory in the Molson pavilion for Molecular Medicine at the MNI.
  - The clinic is located in the 2 East polyclinic. Adequate space and resources will be provided. The Fellow will also evaluate patients at the MGH neurology clinic area.
  - Fellows will also respond to consultations from the neurology ward as well as from other services at the MNH, RVH and MGH as needed (estimate 4-5 per month).
- Library access, materials relevant to fellowship training: Yes
- Multimedia learning materials available: Yes
- Availability of a skills lab if applicable: N/A

## Fellow Duties and Responsibilities

- Call responsibilities to cover service: fellows will not take call
- Will the Fellow be supervising residents: No
- Are there fixed rotations at various institutions: No
- What are the outpatient clinic responsibilities: Evaluate patients (History and examination), establish a treatment plan along with other members of multidisciplinary team (CNS, OT, PT, speech therapist).
- What are the teaching responsibilities towards residents: N/A
- Outline participation in academic activities involving the residents: N/A
- Describe any support staff available to the fellow: Dr Edward Fon is the program coordinator. Ms Lucie Lachance is the clinical nurse specialist, with over 6 years experience with Parkinson's disease and movement disorders. Nathalie Frechette is the clinic secretary. In addition, an administrative assistant job is currently being posted to help run the program. A physiotherapist (Carolyn El-Tantawy), an occupational therapist (Robert Campos) and a speech therapist (Valentine Weber) are assigned to our program.
- Proposed meetings to be attended by the fellow: Movement Disorders Society annual meeting, Society for Neuroscience annual meeting
- What is the research productivity/publications expected by the Fellow: The goal is to publish 2 high impact basic science papers and 1 clinical paper.

## Curriculum

- What is the Intended case load for the Fellow: Clinic 1 day/week: 3 new patients, 4 follow ups. 1 consultation per week.
- What are the intended percentages of the varieties of cases: 70% Parkinson's disease, 15 % parkinsonism, 15% other movement disorders (Tremor, dystonia, chorea, myoclonus, ataxia)
- What regular reading materials are to be provided: The fellow is expected to stay abreast of basic science and clinical developments in his/her field by reading leading high-impact journals (Nature, Science, Cell, Nature Neuroscience, J. Neuroscience, NEJM, Neurology, Lancet Neurology, Movement Disorders, etc...). The Fellows are also expected to read PD/Movement disorder textbooks.

- Outline the weekly conference schedule: Monday: Fon lab meeting; Tuesday: MNI Killam Seminar series; Thursday: Neurology service rounds; Friday: Neurology Grand Rounds (am), Movement disorders conference (lunch), MNI trainees' research discussion series (PM)
- What role will the Fellow play in attending, organizing, and presenting rounds/conferences: The Fellows will be responsible for the weekly Movement disorders conference (alternating case conference, journal club and research progress report presentation). They will also be expected to present at the neurology service rounds at least twice a year. They will each be expected to present at Neurology Grand Rounds once a year. They will also attend the weekly Killam seminar series at the MNI and the MNI trainees' research discussion series.
- Evaluation and feedback: Fellows will be evaluated at regular intervals on their performance at both the clinical and research levels. Satisfactory performance will be required to continue the second year for the fellowship.
  - Clinical evaluations and feedback will be provided by the attending movement disorders neurologist (Fon, Lafontaine, Dagher, Postuma) both informally during the clinic and formally at 3 month intervals. Formal evaluations include one-on-one verbal sessions and written evaluations based on standardized CANMEDS criteria.
  - Research evaluations and feedback will be provided by Dr Fon in the form of 1 hour one-on-one sessions every week at which time the fellow will present his/her research progress and results as well as discuss problems and future directions. This format is currently being used in the lab for all graduate students and non-MD postdoctoral Fellows.