

McGill University  
Department of Diagnostic Radiology  
Diagnostic and Interventional Neuroradiology Department at the  
Montreal Neurological Hospital and Institute

**Fellowship in Interventional Neuroradiology**

Fellowship Director: Dr Donatella Tampieri  
Program Director: Dr. Jana Taylor

**Duration of training:**

- 2 years fellowship program in Interventional Neuroradiology.

**Summary:**

The Department of Neuroradiology of the Montreal Neurological Hospital and Institute offers:

- one fellowship position in Interventional Neuroradiology (2 years program).

The Department is equipped with two 1.5 Tesla Units and one 3 Tesla Unit MRIs (two of these units are largely used for research), a bi-plane neuroangiographic room with Rotational 3D capability, one multipurpose room, one multislice CT scanner, a portable multislice CT scanner, a Color Doppler unit and plain film unit.

The Montreal Neurological Hospital and Institute is a major tertiary and quaternary referral center for brain tumors, epilepsy, vascular lesions and degenerative diseases. The program benefits from the close collaboration with 13 neurosurgeons and over 20 neurologists at the Montreal Neurological Hospital and Institute.

The Interventional Neuroradiology program covers all endovascular procedures (coiling of aneurysms, embolization of AVM and tumors, carotid and intracranial stenting, intra-arterial thrombolytic therapy) and all percutaneous spinal procedures (vertebroplasty, biopsy, nerves blocks) The Interventional Neuroradiology service has admitting privileges for elective procedures and it is fully integrated with the White Neurosurgical Service (Vascular service).

The candidates for the position must have completed their specialty training in Diagnostic Radiology and they want to improve their knowledge of Interventional Neuroradiology.

**Guidelines:**

The following guidelines are designed to clarify the fellow's job description.

The duties described are geared towards enriching the fellow's own experience and achievement and optimizing the function of the department.

The Diagnostic Neuroradiology fellowship position does not in any way negatively impact on resident training, by actually it enhances their exposure to neuroradiology with discussion, case presentation and teaching

## **Workload**

The Interventional Neuroradiology fellowship is dedicated to the endovascular and percutaneous treatment of central nervous system vascular lesions and tumors, to the percutaneous treatment of spine conditions including vertebroplasty, nerve blocks, epidural blocks and biopsy. Naturally the interventional fellowship includes also interpretation of brain and spine imaging.

At the conclusion of the training the fellow should be able to function autonomously in interpretation of CT, MRI and Doppler, as well as performing diagnostic angiography and spine procedures. S/He should know the indications and the technical management in the treatment of vascular lesions and tumors and should be able to perform under supervision endovascular procedures, lumbar puncture and myelography. By the end of the fellowship the candidate should be familiar with the materials and devices available and used in the interventional procedures. Furthermore the candidate should be aware of the possible complications of the different endovascular procedures and of their management. The fellow must also become familiar with the most common medications used while the patients are admitted under the White Service care, their dosage and their side effects. The fellow must participate in the Cerebro-vascular clinic with the attending staff which takes place once/ week.

## **On Call**

The fellow is on home call one week out of two. The fellow is on call as 1<sup>st</sup> call with attending staff backup. The staff must be consulted prior to issuing preliminary reports (whenever deemed necessary) or prior to procedures.

## **Teaching and academic activities**

The fellow participates actively in the teaching and academic activity of the department . Attendance to Neurosurgery Rounds, Cerebro-Vascular Rounds and Thursday Neuroradiology Rounds is mandatory. The attendance to the other “Neuro” rounds at the MNH and JGH are possible if no conflict exist with the work schedule, and verbal permission must be obtained from attending staff to attend these rounds.

The fellow is actively invited to participate in research projects, even those in conjunction with the Brain Imaging Center (BIC). Protected time may be granted depending on the nature of the project. The project must be discussed and approved in advance by the fellowship director.

The fellow must participate in teaching activities with the medical students and residents rotating in the department.

## **Work Schedule**

The approximately working hours are from 8:00 am to 6:00 PM.

## **Vacation and conferences**

Vacations: 20 working days

Conferences: 5 working days.

## **Feed back and evaluation**

The fellow is evaluated on a daily basis by the attending staff. A formal verbal and written CanMEDS evaluation is given to the fellow every 3 months.

## **Expected daily case load (Interventional Neuroradiology)**

CT: 5 cases

MRI: 5 cases

Diagnostic angiogram and Interventional Procedure 3 cases

Spine procedures 4 cases daily

**For more information contact:**

Donatella Tampieri, MD, FRCPC  
Professor of Radiology, Neurology and Neurosurgery  
Head of Diagnostic and Interventional Neuroradiology  
Montreal Neurological Hospital and Institute  
McGill University  
3801 University Street, suite 514  
Montreal, Quebec H3A2B4  
Canada  
Telephone: (514) 398-1908 or 1910  
Fax: (514) 398-7213  
Email: donatella.tampieri@muhc.mcgill.ca

Coordinator: cathy.torchia@muhc.mcgill.ca