



# University of Toronto

## INTERVENTIONAL NEURORADIOLOGY

### GENERAL INFORMATION

<b>Location</b>	St. Michael's Hospital Toronto, Ontario, Canada
<b>Duration</b>	1 or 2 years, depending on the background training of the applicant. We accept applications from diagnostic radiologists (who have completed at least one year of neuroradiology fellowship training), as well as from Neurologists (who have completed at least one year of stroke or neurocritical care fellowship) and from neurosurgeons.
<b>Deadline for Applications</b>	Early PGY4 Choices made by year end, 1.5 years before start year.
<b>Number of Fellowship Positions</b>	2 total (Canadian and international medical graduates)
<b>Fellowship Website</b>	<a href="http://medical-imaging.utoronto.ca/interventional-neuroradiology-fellowship-smh">http://medical-imaging.utoronto.ca/interventional-neuroradiology-fellowship-smh</a>
<b>Contact Information</b>	<b>Fellowship Director:</b> Dr. Tom Marotta <a href="mailto:marottat@smh.ca">marottat@smh.ca</a>  <b>Fellowship Coordinator/Administrator:</b> Amy Shea Fellowship Program Assistant Tel: 416-978-0514 <a href="mailto:a.shea@utoronto.ca">a.shea@utoronto.ca</a>

### WORKFLOW

<b>General structure</b>	<p>The fellows play a key role in the Neurovascular Program, and are provided an opportunity to "run" our busy clinical service with full management responsibilities. Fellows participate in a busy weekly neurovascular clinic and are given the opportunity to lead our weekly "carotid clinic" where patients requiring urgent evaluation regarding carotid revascularization are triaged and managed. The Interventional Neuroradiology team at St. Michael's Hospital also participates in pediatric cases and pediatric neurovascular rounds held quarterly at the Hospital for Sick Children in Toronto. For fellows who have neurosurgical training there is an opportunity to be involved in open neurovascular cases in the operating room.</p> <p>The two-year program can be performed at SMH or as a combined program at SMH and another site including TWH.</p>
--------------------------	--

<b>Are there times when fellows overlap and share work?</b>	Volumes are sufficient to keep both Fellows exposed and busy. Depending on the background, they will have an opportunity to keep their hand in reporting Neuro CT and MRI (Neuroradiology background), doing open Neurosurgery (Neurosurgery background), or spending time in the Stroke Unit /NICU (Neurology background). The equivalent of 1 day per week (or more) can be set aside for dedicated research depending on individual preferences.
<b>How many rounds are you expected to attend? Contribute to?</b>	Fellows are expected to attend and contribute to the following rounds: Neuroscience Rounds: Once per week, Neuroradiology rounds (optional for Fellows), NV Case Conference: One afternoon every 6 weeks. M and M rounds: Twice per year, Neurovascular Clinic: every Wednesday afternoon except week of NV Case Conference. Acute carotid Clinic is 'virtual' but usually scheduled for a Monday or Thursday morning.
<b>Other than rounds, are there teaching responsibilities?</b>	Ad hoc
<b>How procedure focused is the fellowship?</b>	As an IR fellowship procedural competency is a main focus of the fellowship
<b>Which procedures are you responsible for?</b>	Fellows are exposed to the full spectrum of INR cases including high volumes of complex aneurysms; carotid angioplasty and stenting; intracranial atherosclerosis; brain and spinal vascular malformations; pre-operative embolization; trauma; epistaxis; and stroke interventions. St. Michael's Hospital is a designated Stroke center and a designated Trauma hospital. Spinal interventions including vertebral augmentations and biopsies are also routinely performed.
<b>Additional Comments about Workflow:</b>	N/A
<b>RESEARCH</b>	
<b>What are the Research Expectations?</b>	One major project per year is expected, leading to conference presentation and publication per year. Fellows receive one day per week of protected research time and are expected to participate in at least one major research project leading to conference presentation and publication per year. Current research interests of the group include intracranial flow diverters, carotid revascularization, imaging and management of cerebral vasospasm, and acute stroke intervention. Dr. Marotta has additional unique experience and opportunities for innovative device evaluations and development.
<b>How much protected time is given for research (per week)?</b>	One day per week
<b>CALL</b>	
<b>General</b>	Call is coordinated internally and varies from year to year with the experience and background of fellows, number of fellows etc.
<b>Responsibilities on Call:</b>	Fellow (with staff backup) covers all emergent neurovascular work

<b>Is there a call stipend?</b>	No
<b>Additional comments about call</b>	To be discussed with the candidates
<b>HOLIDAYS AND PAY</b>	
<b>Number of paid holiday's (in weeks):</b>	See University of Toronto policy
<b>Sick and Caregiver time (in days):</b>	N/A
<b>Extra time off (in days):</b>	Conferences: Department will provide partial funding if fellow presents at a conference. CME: None Teaching: None
<b>Income before tax (CAD):</b>	See University of Toronto policy - PARO PGY6/7 level salary
<b>Opportunities for additional income (directly related to the fellowship):</b>	No
<b>Additional Comments about Holidays and Pay:</b>	To be discussed with the candidates.