

RESEARCH SCHOLAR PROGRAM 2017  
SUPERVISOR/PROJECT INFORMATION FORM



Due on or before **October 21 2016**. Forms received after this date will not be posted on the website.

**SUPERVISOR INFORMATION**

Supervisor Name: Abhaya V. Kulkarni

Mailing Address: Division of Neurosurgery, Hospital for Sick Children, 555 University Ave., Toronto, ON M5G1X8

Telephone Number: 416 813 6427

Email Address: [abhaya.kulkarni@sickkids.ca](mailto:abhaya.kulkarni@sickkids.ca)

Degree (MD, PhD, MD/PhD): MD, PhD, FRCSC

Academic Rank: Professor

Field of Research: Neurosurgery, Clinical epidemiology/biostatistics

Graduate School Appointment (IMS, IHPME etc.): IMS & IHPME

*Please note that you must be appointed to the SGS in order to be a supervisor in the Scholar Program*

Research Institute Affiliation (if applicable): Sickkids Research Institute

Allocation of student contact time (# of hours per week you are available to the student for any concerns or to review progress): 1-2 hours per week

Do you have a student that you have already agreed to work with? No

*Please note, you may go ahead with a self-initiated project with a student of your choosing. If you choose this option, your project will not be posted online, meaning it will not be open to student applicants.*

## PROJECT INFORMATION

Project Title: Long-term outcomes in pediatric neurosurgery

Project Description (max 500 words):

Within pediatric neurosurgery, hydrocephalus is the commonest condition seen. This project will involve conducting a longitudinal follow-up study to determine the long-term outcome of a cohort of children previously treated for hydrocephalus. The research will help identify the determinants of health and quality of life in this population, including surgical complications, socioeconomic factors, and patient biological factors. It will also help elucidate if specific types of surgical treatment (e.g., endoscopic versus shunt) lead to better outcomes. Results will also be correlated with neuroimaging.

During this project, the student will be exposed to all elements of high-quality clinical surgical research: they will help design the study, participate in patient/family engagement, collect data, analyze data, help draft the manuscript, and negotiate the manuscript submission/revision process.

The experience will be supplemented by the opportunity to attend the neurosurgical operating theatre, wards, and clinics, to gain a better understanding of the hydrocephalus and its treatment. The research will be conducted at Sickkids and Sickkids Research Institute.

If human subjects are involved, has Ethics been obtained?

☐ YES

☒ NO

☐ Application Submitted

☐ N/A

Do you expect this work will be published within 20 months?

☒ YES

☐ NO

☐ Uncertain

Student's Roles / Responsibilities (Please be as specific as possible) Please indicate who will serve as the student's direct report. (PI, PDF, PhD student, technician etc...):

The student will report directly to Dr. Kulkarni (Staff Neurosurgeon and Senior Scientist). Assistance will be provided by a full-time neurosurgery research coordinator. Dedicated work space and computer will be available for the student at Sickkids Research Tower. The project will allow the student to gain valuable experience in all aspects of clinical research, including the use of advanced statistical software and analyses.