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Ms. Arushri Swarup

Correspondence language: English

Sex: Female

Date of Birth: 8/20

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Ms. Arushri Swarup

Language Skills

Language	Read	Write	Speak	Understand
English	Yes	Yes	Yes	Yes
Hindi	No	No	Yes	Yes

User Profile

Research Disciplines: Biomedical Engineering and Biochemical Engineering

Areas of Research: Biomedical Technologies

Fields of Application: Biomedical Aspects of Human Health

Research Specialization Keywords: Endoscopic Ear Surgery, Instrument Design

Degrees

2016/9 (2018/8)	Master's Thesis, Master's in Applied Science in Biomedical Engineering, University of Toronto Degree Status: In Progress Supervisors: Dr. Adrian James; Dr. Jan Andrysek
2011/9 - 2016/4	Bachelor's, Bachelor of Applied Science in Engineering Science, Biomedical Systems Option, University of Toronto Degree Status: Completed

Credentials

2015/2	Basic Machining Course, George Brown College
2013/5	Laser Safety Trainee, University of Toronto

Recognitions

2015/9 - 2016/4	Dean's List (Canadian dollar) University of Toronto Honor
2011/9 - 2012/4	University of Toronto President's Scholarship - 5,000 (Canadian dollar) University of Toronto Prize / Award

Employment

2016/2	Bollywood Dance Instructor University of Toronto Hart House Gym
2016/5 - 2016/8	Research Student Centre for Image Guided Innovation and Therapeutic Intervention, The Hospital for Sick Children
2014/5 - 2015/8	Engineering Associate Baylis Medical Company
2013/5 - 2013/8	Engineering Research Program Student Institute for Optical Sciences, University of Toronto

Research Funding History

Awarded [n=1]

2016/9 - 2017/8	Director's Innovation Award
Principal Applicant	Co-investigator : Dr. Jan Andrysek; Principal Investigator : Dr. Adrian James
Funding Sources:	
2016/9 - 2017/8	University of Toronto Institute for Biomaterials and Biomedical Engineering Total Funding - 15,000 (Canadian dollar) Funding Competitive?: Yes

Completed [n=2]

2015/5 - 2015/8	IUSRA
Co-applicant	Principal Investigator : Baylis Medical Company
Funding Sources:	
2015/5 - 2015/8	Natural Sciences and Engineering Research Council of Canada (NSERC) IUSRA Total Funding - 4,500 (Canadian dollar) Funding Competitive?: Yes
2014/5 - 2014/8	IUSRA
Co-applicant	Principal Investigator : Baylis Medical Company
Funding Sources:	
2014/5 - 2014/8	Natural Sciences and Engineering Research Council of Canada (NSERC) IUSRA Total Funding - 4,500 (Canadian dollar) Funding Competitive?: Yes

Courses Taught

2016/09/06 - 2016/12/23 Teaching Assistant, Institute for Biomaterials and Biomedical Engineering, University of Toronto
 Course Title: Capstone Engineering Design
 Course Topic: Engineering Design
 Course Level: Undergraduate
 Number of Students: 30
 Guest Lecture?: Yes

Event Participation

Volunteer, Baylis Medical Company Children's Christmas Party, Club, 2014/12 - 2014/12
 Volunteered at the children's Christmas party. Helped to set up and clean up, handed out presents and interacted with families.

Volunteer, Baylis Medical Company's Annual General Meeting, Club, 2015/6 - 2015/6
 Volunteered to make a video presentation for the Annual General Meeting at Baylis Medical Company.

Engineering Science Ambassador, Ontario University Fair and Fall Campus Day, Conference, 2013/10 - 2013/10
 Conversed with potential students and their parents about the Engineering Science program offered at the University of Toronto.

Community and Volunteer Activities

2012/5 - 2014/11 Aeroponic Garden Unit Builder for Community Centre, University of Toronto
 Along with two fellow engineering students and a professor, we built an Aeroponic Garden System. The system consisted of individual garden units with a central nutrient-spraying and drainage system. Once the system was able to successfully grow lettuce, we implemented the system in an elementary school where the teachers and children looked after the plants.

2011/7 - 2011/8 Cancer Centre Volunteer, Grand River Regional Cancer Centre
 Volunteered at the front desk of the Cancer Centre and guided patients through their treatment tracking software before appointments. Conversed with patients undergoing chemotherapy treatment. Provided low-level assistance to nurses such as making beds and sending out blood samples.

Presentations

1. (2016). Designing an Instrument to Facilitate Graft Placement and Orientation in Middle Ear Surgery. Undergraduate Capstone Design Fair, Toronto, Canada
 Main Audience: Researcher, Keynote?: No, Competitive?: No
2. (2016). Modeling Enhanced Transcutaneous Electrical Stimulation of the Saphenous Nerve. Undergraduate Thesis Presentation, Toronto, Canada
 Main Audience: Researcher, Keynote?: No, Competitive?: No

Publications

Reports

1. First Listed Author. Arushri Swarup. (2016). Undergraduate Research Thesis: Modeling Enhanced Transcutaneous Electrical Stimulation of the Saphenous Nerve. 53. University of Toronto
Synthesis?: No
Number of Contributors: 2
Editors: Dr. Paul Yoo
2. Co-Author. Arushri Swarup Ashley Deonarain Leslie Louvelle Faris Lama Sharon Ravindran. (2015). Undergraduate Engineering Design Report: The Design of an Instrument to Improve Graft Placement During Endoscopic Middle Ear Surgery. 43. University of Toronto
Synthesis?: No
Number of Contributors: 7
Editors: Dr. Adrian James Dr. Jan Andrysek
3. First Listed Author. Arushri Swarup. (2015). Laser Welding Training Document. 15. Baylis Medical Company.
Synthesis?: No
Number of Contributors: 2
Editors: Ilinca Popovici