Institute of Biomaterials & Biomedical Engineering
UNIVERSITY OF TORONTO

Application for Teaching Assistantship, 2016-17

(PLEASE PRINT LEGIBLY)

Name: ___Swarup_____Arushri_____
(Surname) (First Name)

Mailing Address: 58 Northforest Trail Kitchener, ON, N2N 2Z1

Telephone Number: N/A – office is at SickKids_____ _____5195755468_____
(UofT) (Home)

Office/Lab Room Number SickKids 7142 **E-Mail:** arushri.swarup@mail.utoronto.ca

University where you completed your undergraduate degree: University of Toronto

Year graduated: 2016 **Area of Undergraduate Study/Discipline:** Biomedical Engineering

Start date of current graduate program: **Month** September **Year** 2016

Program type: **X** MASc ☐ PhD ☐ MHSc ☐ MSc

Current area of research: Developing Surgical Instruments to Facilitate Endoscopic Ear Surgery

Name of Supervisor:_Dr. Adrian James_____

Do you have prior TA experience? **X Yes** ☐ **No**

If yes, when was your last TA assignment? Fall, 2016 **Course code?**BME489_____

Briefly outline any relevant training that you have taken (i.e., teaching workshops with CTSI; safety; experience with Outreach programs; etc):

TA Training Session September, 2016
Used CNC Micro-Mill for machining
Solidworks

Briefly outline your experience with the peer review process for scientific publications:

N/A

Please list any published research papers in which you are an author.

N/A

Additional information. *Please feel free to attach a copy of your resume.*

I am currently a TA for the Engineering Science Biomedical Systems Option Capstone Design course. Through that course I have made an effort to talk to all the groups and offer guidance on their progress and ideas on how to prototype and/or go forward with their designs. I am present during labs and lectures and constantly ask the groups if they have any questions about their projects thus far. I have delivered a lecture sharing my experience with the Capstone Design course last year. I have also delivered advice on how to improve students' presentations, marked proposals and have worked with the course instructor for BME498 during this course. Please see my CV for further details.

Please indicate which courses you are interested in being assigned to (tutorial positions may involve L= lab, T = tutorial; or L/T = lab and tutorial):

BME205H1 S ()	
BME225H1 S ()	
BME344H1 F ()	
BME346H1S ()	
BME350H1 F ()	
BME358H1 S ()	
BME395H1 F()	
BME396H1 S ()	

BME428H1 F ()	
BME430H1 S ()	
BME440H1 F ()	
BME455H1 F ()	
BME460H1 F ()	
BME489H1 F ()	
BME498Y1 (L)	
BME499Y1 ()	

BME510H1 S ()	
BME595H1 S ()	
BME1405	
BME1436	
BME1439	
BME1450	
BME1480	

For lab positions, please indicate your skill level and knowledge with the following techniques:

Scale 0—3	Method/Field	Scale 0—3	Method/Field	Scale 0—3	Method/Field
1	Bacterial cell culture	2	Bioengineering design	0	Bioinformatics
1	Biomaterials	1	Biomechanics	*2*	CAD modelling
1	*C. elegans*	2	Computer modelling/ coding	*1*	Computing
1	Confocal microscopy	1	Control systems	2	CT scan
1	DNA/RNA purification	1	*Drosophila*	1	ECG, EEG, EMG
1	ELISA	1	Fluorescent microscopy	1	Fluorometry
1	Gel electrophoresis	1	Genetic modifications	1	Human fluids (blood, urine, saliva)
1	Light microscopy	1	Mammalian cell culture	1	Microfluidics
0	MRI	1	Murine models	1	PCR
0	Polarization	2	3D printing	2	Project management
1	Protein engineering	1	Protein purification	2	Quantitative analysis
1	Sample preparation	1	Spectrometry	1	Tissue engineering
	Other:		*Other:*		*Other:*

0 – I am not familiar (never heard of the method/technique/animal)
1 – I am somewhat familiar (used once/several times in undergraduate courses)
2 – I am very familiar (use routinely in my own research)
3 – I am an expert (can write a textbook)

Date: _____ **Signature:** _____

Note: a Union agreement is in effect between U of T and CUPE, Local 3902

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