



## **CURRENT POSITION**

### **Postdoctoral Research Fellow**

Schepens Eye Research Institute of Mass. Eye and Ear, Harvard Medical School  
*Advisor: Petr Baranov, MD/PhD*

July 2020 – Present  
Boston, MA

## **EDUCATION**

### **Doctor of Philosophy in Chemical Engineering**

Northeastern University (NEU)  
*Advisor: Ryan Koppes, PhD*

*Dissertation Title: "In Vitro Models of the Cardiac Neuromuscular-Hormonal Axis"*

August 2020  
Boston, MA

### **Bachelor of Science in Chemical Engineering, *Cum Laude***

Rensselaer Polytechnic Institute (RPI)  
*Minor: Psychology*

May 2015  
Troy, NY

## **FUNDING**

### **National Eye Institute Kirschstein-NRSA F32 Postdoctoral Fellowship**

February 2022 – January 2025

"Regulating cell-cell interactions to improve donor retinal ganglion cell integration"

Role: PI, Award: \$209,046 (1F32EY033211)

This study aims to investigate the role that Down Syndrome Cell Adhesion Molecule (DSCAM) has in directing donor retinal ganglion cell migration and synapse formation in the retina.

### **National Eye Institute T32 Postdoctoral Trainee**

November 2020 – October 2021

Molecular Bases of Eyes Diseases Training Program

"Regulating the migratory modality to improve RGC transplantation and synaptogenesis"

Role: Fellow, Award: \$52,704 (5T32EY007145)

This study aims to determine the preferred method of donor retinal ganglion cell migration into the host ganglion cell layer in vivo.

### **American Heart Association Predoctoral Fellowship**

January 2019 – December 2019

"On-chip Innervation of the Cardiac Microenvironment"

Role: PI, Award: \$26,844 (AHA19PRE34430181)

This study aims to develop an in vitro model of the cardiac autonomic nervous system (ANS) to investigate the underlying mechanisms of cardiac innervation and ANS function.

## **RESEARCH EXPERIENCE**

### **Postdoctoral Research Fellow (Baranov Lab)**

July 2020 – Present

Department of Ophthalmology, Schepens Eye Research Institute of Mass. Eye and Ear

Boston, MA

- Differentiating human and mouse stem cell-derived retinal ganglion cells (RGCs)
- Investigating retinal neural migration and activity to improve RGC transplantation in vivo

### **Graduate Research Assistant (Koppes Lab)**

September 2015 – June 2020

Department of Chemical Engineering, NEU

Boston, MA

- Engineered organ-on-chip models to study the cardiac neuromuscular-hormonal axis using primary cells
- Developed and studied biomaterials for neural tissue engineering in vitro and in vivo

### **Intern in the Antibody Engineering Department**

June 2015 – August 2015

Adimab LLC, Supervisor: John Bukowski

Lebanon, NH

- Proposed and carried out experiments that led to new standard operating procedures
- Developed antibody selection assays and protein reagents for cell sorting applications



**Undergraduate Research Assistant (Karande Lab)**

Department of Chemical and Biological Engineering, RPI

August 2015 – May 2015

Troy, NY

- Investigated translatability of high-throughput peptide screening to column chromatography
- Taught new graduate students and other undergraduates lab protocols

**Intern in the Protein Analytical Chemistry Department**

Genentech Inc, Supervisor: Dr. John Eschelbach

June 2014 – August 2014

South San Francisco, CA

- Created an automated workflow to analyze single residue peptide oxidation as it relates to intact proteins
- Operated a liquid chromatography-mass spectroscopy and quantified the results

**Undergraduate Research Assistant (Karande and Underhill Labs)**

Department of Chemical and Biological Engineering, RPI

May 2013 – June 2014

Troy, NY

- Designed Janus nanoparticles as a drug delivery system for solid tumors
- Wrote MATLAB and IDL code for image processing and quantitative particle tracking

**PUBLICATIONS**

**J.R. Soucy**, L. Todd, E. Kriukov, M. Phay, V. Malechka, J.D. Rivera, T.A. Reh, P. Baranov (2023). "Controlling Donor and Newborn Neuron Migration and Maturation in the Eye Through Microenvironment Engineering," Proceedings of the National Academy of Sciences. (in press)

**J.R. Soucy**, E. Aguzzi, J. Cho, M. Gilhooley, C. Keuthan, Z. Luo, A. Monavarfeshani, M. Saleem, X. Wang, J. Wohls, The RReSTORE Consortium, P. Baranov, A. Di Polo, B. Fortune, K. Gokoffski, J.L. Goldberg, W. Guido, A. Kolodkin, C. Mason, Y. Ou, T.A. Reh, A. Ross, B.C. Samuels, D. Welsbie, D.J. Zack, T.V. Johnson (2023). "Retinal Ganglion Cell Repopulation for Vision Restoration in Optic Neuropathy: Discussions from the RReSTORE Consortium Workshop," Molecular Neurodegeneration. doi: 10.1186/s13024-023-00655-y

**J.R. Soucy**, G. Burchett, R. Brady, K. Nichols, D.T. Breault, A.N. Koppes, R.A. Koppes (2021). "Innervated adrenomedullary organ-on-a-chip to model prenatal nicotine and opioid exposure," Organs-on-a-chip. doi: 10.1016/j.ooc.2021.100009

D. Diaz, **J.R. Soucy**, A. Lee, R.A. Koppes, A.N. Koppes (2021). "Light irradiation on peripheral nerve cells: a wavelength and dose dependency study on primary DRG neurons and Schwann Cells in vitro," Journal of Photochemistry and Photobiology B: Biology. doi: 10.1016/j.jphotobiol.2020.112105

**J.R. Soucy**, A.J. Bindas, R. Brady, T. Torregrosa, C.M. Denoncourt, S. Husic, G. Dai, A.N. Koppes, R.A. Koppes (2020). "Reconfigurable microphysiological systems for in vitro modeling of innervation and multi-tissue interactions," Advanced Biosystems. doi: 10.1002/adbi.202000133

S. Husic, A.J. Bindas, M.L. Puzan, W. Lake, **J.R. Soucy**, F. Zhou, R.A. Koppes, D.T. Breault, S.K. Murthy, A.N. Koppes (2020). "Rapid prototyping of multilayer microphysiological systems," ACS Biomaterials Science & Engineering. doi: 10.1021/acsbmaterials.0c00190

T. Torregrosa, S. Webster, C. Aghaizu, **J.R. Soucy**, C. Bertucci, L. Plant, A.N. Koppes, R.A. Koppes (2020). "Cryopreservation and functional analysis of cardiac autonomic neurons," Journal of Neuroscience Methods. doi: 10.1016/j.jneumeth.2020.108724

**J.R. Soucy**, A.J. Bindas, A.N. Koppes, R.A. Koppes (2019). "Instrumented Organs-on-Chips for Real-time Measurement and Manipulation of Cellular Electrochemical Processes," iScience. doi: 10.1016/j.isci.2019.10.052

**J.R. Soucy**, J. Askaryan, D. Daiz, A.N. Koppes, N. Annabi, R.A. Koppes (2019). "Glial cells influence cardiac permittivity as evidenced through *in vitro* and *in silico* models," Biofabrication. doi: 10.1088/1758-5090/ab4c0a



A.R. Spencer, E. Shirzaei-Sani, **J.R. Soucy**, C.C. Corbet, A. Primbetova, R.A. Koppes, N. Annabi (2019). "Bioprinting of a cell-laden conductive hydrogel composite," ACS Applied Materials & Interfaces. doi: 10.1021/acsami.9b07353

D.E. Large, **J.R. Soucy**, J. Hebert, D.T. Auguste (2018). "Advances in receptor-mediated, tumor-targeted drug delivery," Advanced Therapeutics. doi: 10.1002/adtp.201800091

**J.R. Soucy**, E. Shirzaei-Sani, R. Portillo-Lara, D. Daiz, F. Dias, A.S. Weiss, A.N. Koppes, R.A. Koppes, A. Nasim (2018). "Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair," Tissue Engineering Part A. doi: 10.1089/ten.TEA.2017.0502 (highlighted by the editor)

## **PATENTS**

**Jonathan R. Soucy**, Petr Baranov. Overcoming molecular barriers to improve donor neuron transplantation. Application No. 63/460,855, filed April 20, 2023

Petr Baranov, **Jonathan R. Soucy**, Emil Kriukov. Function-based sorting of cells for transplantation and other applications. Application No. 63/460,853, filed April 20, 2023

**Jonathan R. Soucy**, Ehsan Shirzaei Sani, Abigail N. Koppes, Ryan A. Koppes, Nasim Annabi. Gelatin/Elastin Composites for Peripheral Nerve Repair. United States Patent No. 11,406,737, granted August 9, 2022

Sanjin Husic, Ryan A. Koppes, Shashi K. Murthy, Abigail N. Koppes, **Jonathan R. Soucy**. Fluidic Device and Method of Assembling Same. United States Patent No. 11,351,538, granted June 7, 2022

## **AWARDS & HONORS**

NEI Research in Emerging Areas Critical to Human Health LRP Award (\$13,232)	July 2022 – June 2024
Knights Templar Eye Foundation Travel Grant (\$750)	May 2022
RReSTORe Consortium Emerging Vision Scientist Travel Grant (\$1,000)	April 2022
ISER/BrightFocus Glaucoma Symposia Travel Award (\$1,600)	August 2021
NC State Building Future Faculty (BFF) Program Participant, virtual	April 2021
Retina Research Foundation/Joseph M. and Eula C. Lawrence Travel Grant (\$200)	March 2021
American Institute of Chemists Student Award	April 2020
NEU Department of Chemical Engineering Most First Author Publications Award (\$25)	April 2020
Northeastern PhD Network Travel Grant (\$500)	November 2019
Postdoctoral Recruitment Initiative in Sciences and Medicine Participant, Stanford University	October 2019
Invited Speaker at Smart-Ephys Meeting (Cambridge, MA)	June 2019
NEU College of Engineering 2019 Outstanding Graduate Research Award (\$250)	April 2019
Northeastern PhD Network Travel Grant (\$500)	November 2018
NEU Graduate Student Government Conference Award (\$375)	October 2017
Boston Biomaterials Day People's Choice Best Oral Presentation (\$100)	March 2017
NEU Graduate Student Government Conference Award (\$375)	October 2016
Rensselaer Undergraduate Research Program Award (\$800)	September 2013
Rensselaer Medal Scholarship Award (\$60,000)	September 2011 – May 2015



**CONFERENCES & PRESENTATIONS** (\* denotes presenting author)

J. Meyer\*, A. Ross\*, **J.R. Soucy\***, Y. Ou\*, K. Gokoffski\*, "ARVO 2024 Minisymposium: A roadmap for developing vision-restoring therapies for patients suffering from optic neuropathy," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, May 2024, Seattle, WA (invited talk)

**J.R. Soucy\***, E. Kriukov, M. Phay, P. Baranov, "Engineered chemokine gradients across the retina improve the integration of human stem cell-derived retinal neurons in mice," American Institute of Chemical Engineers (AIChE) Annual Meeting, November 2023, Orlando, FL (talk)

**J.R. Soucy\***, J. Oswald, E. Kriukov, P. Baranov, "Modifying the retinal microenvironment with slow-release neurotrophic factors enhances donor retinal neuron survival in mice," American Institute of Chemical Engineers (AIChE) Annual Meeting, November 2023, Orlando, FL (talk)

**J.R. Soucy\***, V. Malechka, J.D. Rivera, P. Baranov, "Overcoming Molecular Barriers to Improve Donor Retinal Ganglion Cell Transplantation in Mice," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, April 2023, New Orleans, LA (paper/talk)

J.D. Rivera\*, **J.R. Soucy**, V. Malechka, E. Kriukov, P. Baranov, "Culture Substrates Comparison on Modulating Survival and Neurite Outgrowth of Retinal Ganglion Cell," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, April 2023, New Orleans, LA (poster)

E. Kriukov, **J.R. Soucy**, P. Baranov, "Advanced integrated transcriptomics-based computational models to study functions of interest in donor retinal ganglion cells," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, April 2023, New Orleans, LA (poster)

V. Malechka, **J.R. Soucy**, E. Kriukov, J.D. Rivera, P. Baranov, "Co-treatment with FasL and Annexin modulates host microglia after donor RGC transplantation and improves the outcome," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, April 2023, New Orleans, LA (paper/talk)

**J.R. Soucy\***, P. Baranov, "Chemokine-directed migration improves the structural integration of human stem cell-derived retinal neurons," Harvard Ophthalmology Annual Meeting and Alumni Reunion, June 2022, Boston, MA (poster)

**J.R. Soucy\***, P. Baranov, "Human Stem Cell-Derived Retinal Ganglion Cells Migrate into the Ganglion Cell Layer In Vivo Primarily Through Multipolar Migration," International Society for Stem Cell Research (ISSCR) Annual Meeting, June 2022, San Francisco, CA (poster)

**J.R. Soucy\***, P. Baranov, "Chemokine-directed migration improves the structural integration of human stem cell-derived retinal neurons in mice via multipolar migration," Annual Harvard Stem Cell Institute (HSCI) Retreat, May 2022, Cambridge, MA (poster)

**J.R. Soucy\***, M. Phay, P. Baranov, "Multipolar Migration and the SDF1-CXCR4 Axis Direct Human Retinal Ganglion Cell Integration in Mice," The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, May 2022, Denver, CO (paper/talk, travel award)

**J.R. Soucy\***, M. Phay, J. Oswald, P. Baranov, "Human Retinal Ganglion Cell Integration is Enhanced Through SDF1 and Netrin1 - Guided Migration in a Mouse Xenotransplantation Model," International Society for Eye Research (ISER)/BrightFocus Glaucoma Symposia, May 2022, Atlanta, GA (poster, travel award)

**J.R. Soucy**, R. Brady, A.J. Bindas, K. Nichols, R.A. Koppes, A.N. Koppes\*, "GelPin Microphysiological Systems for 3D Neural Interfacing," Materials Research Society Spring Meeting, May 2022, Honolulu, HI (talk)

**J.R. Soucy\***, J. Oswald, P. Baranov, "Establishing Chemokine Gradients Across the Mouse Retina Enhances Donor Retinal Ganglion Cell Integration," International Society for Stem Cell Research (ISSCR) Annual Meeting, June 2021, virtual (poster)



**J.R. Soucy\***, J. Oswald, P. Baranov, "SDF1 directs donor retinal ganglion cell migration into the retina following allotransplantation in mice" The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting, May 2021, virtual (paper/talk)

R.A. Koppes\*, **J.R. Soucy**, A.N. Koppes, "Engineering an Innervated Adrenal Organ-Chip Model," World Biomaterials Congress, December 2020, virtual (talk)

J. Thompson\*, **J.R. Soucy**, S. Flannery, K.B. Lamm, D. Marshall, R.A. Koppes, L. Griffith, A.N. Koppes, "Enteric nervous system cells encapsulated in hydrogels for intestinal tissue engineering," World Biomaterials Congress, December 2020, virtual (poster)

**J.R. Soucy**, A.N. Koppes, R.A. Koppes\*, "Utility of an innervated adrenomedullary microphysiological system for investigating the role of the nervous system and drugs of abuse," Biomedical Engineering Society (BMES) Annual Meeting, October 2020, virtual (talk)

D. Diaz, **J.R. Soucy**, A. Lee, R.A. Koppes, A.N. Koppes\*, "Irradiation wavelength and duration impacts primary sensory neuron outgrowth in vitro," Biomedical Engineering Society (BMES) Annual Meeting, October 2020, virtual (talk)

**J.R. Soucy**, A.J. Bindas, R. Brady, A.N. Koppes, R.A. Koppes\*, "A new strategy for discrete yet cohesive tissue assemblies within 'cut & assemble' organ-chips," American Institute of Chemical Engineers (AIChE) Annual Meeting, November 2020, virtual (talk)

**J.R. Soucy**, A.N. Koppes, R.A. Koppes\*, "Engineering an Adrenal Organ-Chip Model to Investigate Neurohormonal Control of Cardiac Output," Biomedical Engineering Society (BMES) Annual Meeting, October 2019, Philadelphia, PA (poster)

**J.R. Soucy\***, T. Torregrosa, S. Hosis, S. Moreno Arteaga, A.N. Koppes, R.A. Koppes, "Neuro-Cardiac Axis on a Chip: Neural Remodeling of the Cardiac Microenvironment," American Institute of Chemical Engineers (AIChE) Annual Meeting, November 2019, Orlando, FL (talk)

**J.R. Soucy\***, T. Torregrosa, S. Hosis, S. Moreno Arteaga, A.N. Koppes, R.A. Koppes, "Organ-on-chip Model for Investigating Autonomic Innervation of the Cardiac Microenvironment," Basic Cardiovascular Sciences (BCVS) Scientific Sessions, July 2019, Boston, MA (poster)

**J.R. Soucy\***, R.A. Koppes, "Integrating Multi-electrode Arrays into Organ-on-chip Platforms," Smart-Ephys Tech, Talk & Toast, June 2019, Cambridge, MA (talk, invited)

**J.R. Soucy\***, T. Torregrosa, S. Hosis, N. Annabi, A.N. Koppes, R.A. Koppes, "Engineering a Physiologically Relevant Model of the Cardiac Autonomic Nervous System," American Institute of Chemical Engineers (AIChE) Annual Meeting, October 2018, Pittsburg, PA (talk)

**J.R. Soucy\***, A.N. Koppes, N. Annabi, R.A. Koppes, "Glial Cells Modulate Cardiac Beating: An *In Vitro* and *In Silico* Model," Biomedical Engineering Society (BMES) Annual Meeting, October 2018, Atlanta, GA (talk)

**J.R. Soucy**, D. Daiz, A.N. Koppes, N. Annabi, R.A. Koppes\*, "Schwann Cell Monolayers Promote Cardiomyocyte Self-Alignment," Society for Biomaterials (SFB) Annual Meeting & Exposition, April 2018, Atlanta, GA (poster)

**J.R. Soucy**, T. Torregrosa, A.N. Koppes, N. Annabi, R.A. Koppes\*, "An Optically Controlled Microphysiological System for the Heart-Brain Axis," American Institute of Chemical Engineers (AIChE) Annual Meeting, October 2017, Minneapolis, MN (talk)

**J.R. Soucy\***, D. Diaz, J. Askaryan, A.N. Koppes, N. Annabi, R.A. Koppes, "Development and Characterization of Micropatterned Cardiac Co-Cultures for Improved Tissue Engineering Strategies," Biomedical Engineering Society (BMES) Annual Meeting, October 2017, Phoenix, AZ (talk)





**J.R. Soucy\***, E. Shirzaei Sani, D. Diaz, R. Portillo Lara, F. Dias, A.N. Koppes, R.A. Koppes, N. Annabi, "Gelatin/Tropoelastin Hydrogel Composites for Peripheral Nerve Repair," Biomedical Engineering Society (BMES) Annual Meeting, October 2017, Phoenix, AZ (talk)

**J.R. Soucy**, R.A. Koppes\*, "Engineering a MicroPhysiological Model of the Heart-Brain Axis," Society for Biomaterials (SFB) Annual Meeting & Exposition, April 2017, Minneapolis, MN (poster)

**J.R. Soucy\***, E. Shirzaei Sani, D. Diaz, R. Portillo Lara, F. Dias, S.M. Mithieux, A.S. Weiss, A.N. Koppes, R.A. Koppes, N. Annabi, "Cell-Laden Gelatin/Tropoelastin Hydrogel Composites for Peripheral Nerve Repair and Anastomosis," Boston Biomaterials Day, March 2017, Boston, MA (talk, best oral presentation award)

**J.R. Soucy\***, N. Annabi, R.A. Koppes, "Engineering a Microphysiological Model of the Heart-Brain Axis," Northeastern Chemical Engineering Seminar Presentation, February 2017, Boston, MA (talk)

**J.R. Soucy\***, E. Shirzaei Sani, D. Diaz, R. Portillo Lara, F. Dias, S.M. Mithieux, A.S. Weiss, A.N. Koppes, R.A. Koppes, N. Annabi, "Engineering Gelatin/Tropoelastin Hydrogel Constructs for Neural Tissue Repair," Materials Research Society (MRS) Fall Meeting & Exhibits, November 2016, Boston, MA (talk)

**J.R. Soucy\***, J. Askaryan, N. Annabi, R.A. Koppes, "Micropatterned Hydrogels to Promote Alignment in Co-Cultures Systems for a Neuromuscular Model," American Institute of Chemical Engineers (AIChE) Annual Meeting, November 2016, San Francisco, CA (talk)

**J.R. Soucy\***, N. Annabi, R.A. Koppes, "Engineering a 3D in Vitro Neuromuscular Model," Boston Biomaterials Day, June 2016, Boston, MA (poster)

**J.R. Soucy\***, N. Annabi, R.A. Koppes, "Neural-Cardiac Patches for Post Ischemic Events," Northeastern Chemical Engineering Seminar Presentation, March 2016, Boston, MA (talk)

**J.R. Soucy\***, J. Eschelbach, "Liquid Chromatography – Mass Spectroscopy Quantification for Peptide Oxidation," Genentech Summer Intern Poster Session, August 2014, South San Francisco, CA (poster)

**J.R. Soucy\***, S. Rao, P. Karande, P. Underhill, "Self-Propelling Janus Particles as a Novel Drug Delivery System to Solid Tumors," Rensselaer Undergraduate Research Symposium, December 2013, Troy, NY (poster)

## **TEACHING EXPERIENCE**

### **Guest Lecturer**

Division of Medical Sciences, Harvard Medical School

November 15, 2021  
Boston, MA

- Delivered a lecture on axon initial segments to the students of Neurobio 309qc, the Molecular Pathology & Current Therapies for Retinal Diseases

### **Research Mentor**

Baranov Laboratory

January 2016 – Present  
Boston, MA

- Sophia Bauer: Research Associate at GelMEDIX Inc.
- Dayron Rivera: Research Assistant in the Baranov Lab

Koppes Laboratory for Neuromodulation and Neuromuscular Repair

Boston, MA

- Jaclyn Long: PhD Student in Immunology at Harvard Medical School
- Justin Wong: PhD student in Chemical Engineering at the University of California, Davis
- Jody Askaryan: (Co-author): Process Engineer at Novo Nordisk
- Brian Beggan: Associate R&D Engineer at L3Harris Open Waterpower
- Eulalie Leroux: Resident in Neurology, Hospital of Paris
- Gabe Burchett (Research Award, Co-author): Associate Scientist at 2seventy bio
- Sebastian Moreno Arteaga: Research Assistant at Massachusetts General Hospital
- Sravani Korupolu: Business Analyst at McKinsey & Company



- Donal Ryan: Associate Scientist at Casma Therapeutics
- Jacob Graham: Associate Scientist at PureTech Health
- Ryan Brady (Research Award, Co-author): PhD Student in Chemical Engineering at the University of Washington
- Hayden Sandt: Research Associate in Drug Development at Bristol Myers Squibb
- Cailey Denoncourt (Co-author): Clinical Research Assistant at Beth Israel Deaconess Medical Center

**Young Scholar Program Mentor**

June – August 2018 &amp; 2019

College of Engineering, NEU

Boston, MA

- Designed and supervised a summer research project for two high school students each year
- Gabrielle Dieu & Heidi Yap (2018); Samson Cantor & Tina Tailor (2019)

**iGEM Graduate Advisor**

June – September 2016

College of Science, NEU

Boston, MA

- Supervised undergraduate students on a synthetic biology project

**Teaching Assistant, Unit Operations Transport Lab II**

September 2015 – April 2016

Department of Chemical Engineering, NEU

Boston, MA

Course Professors: Dr. Lucas Landherr and Dr. Amit Roy

- Trained undergraduate students to operate batch distillation columns and g-fin heat exchangers
- Provided guidance to undergraduate students as they designed and performed laboratory experiments
- Worked with students to address questions on an individual basis for ~60 students in 4 different sections
- Graded written lab reports

**PROFESSIONAL SOCIETIES**

International Society for Stem Cell Research (ISSCR)

March 2021 – Present

Association for Research in Vision and Ophthalmology (ARVO)

January 2021 – Present

Biomedical Engineering Society (BMES)

July 2017 – June 2019

American Heart Association (AHA)

January 2017 – December 2019

Materials Research Society (MRS)

October 2016 – September 2017

American Institute of Chemical Engineers (AIChE)

August 2016 – Present

Omega Chi Epsilon, Chemical Engineering Honor Society

Inducted April 2015

**SERVICE**

Moderator for Fellows Recognition Day

June 29, 2023

Mass Eye and Ear Institutional Animal Care and Use Committee

September 2022 – Present

AIChE Organ-on-chip Theme and Session Chair

January – November 2021

NEU Chemical Engineering Department Chair Search PhD Student Representative

February – March 2020

NEU PhD Student Orientation Panel

January 6, 2020

NEU Chemical Engineering Graduate Candidate Day

March 15, 2019

Koppes Lab Prospective Student Visit

June 29-30, 2018

NEU Chemical Engineering Graduate Candidate Day

March 16, 2018

North Yarmouth Academy High School Invited Speaker

November 27, 2017

Koppes Lab Prospective Student Visit

March 28, 2017

Boston Public Schools Citywide Science and Engineering Fair

March 4, 2017

NEU Chemical Engineering Graduate Candidate Day

March 2-3, 2017

NEU Prospective Student Lab Tours

October 5, 2016

Ad hoc peer reviewer: ACS Biomaterials Science & Engineering, Micromachines, Journal of Visualized Experiments