

## **Curriculum Vitae**

**Jonathan J. Wisco, Ph.D.**

**Boston University Aram V. Chobanian & Edward Avedisian School of Medicine**

**Department of Anatomy and Neurobiology**

**Boston, MA**

**Mobile: 310-746-6647**

**Office: 617-358-2002**

**E-Mail: [jjwisco@bu.edu](mailto:jjwisco@bu.edu), [jjwisco@gmail.com](mailto:jjwisco@gmail.com)**

**08/24/23**

### **Academic Training:**

- 6/1994 B.S. University of Washington, Seattle, WA; Biology
- 4/2003 Ph.D. Boston University School of Medicine, Boston, MA; Anatomy and Neurobiology

### **Additional Training:**

- 6/1997-7/1997 Visiting fMRI Fellowship, Massachusetts General Hospital and Harvard Medical School, Athinoula A. Martinos Center for Biomedical Imaging, Charlestown, MA
- 5/2003-6/2006 Postdoctoral Fellowship in Radiology, Massachusetts General Hospital, Harvard Medical School/Massachusetts Institute of Technology, Boston, MA
- 8/2008-7/2010 Medical Education Fellowship, David Geffen School of Medicine at UCLA, Los Angeles, CA
- 9/2014-8/2015 Public School Partnership Associates Program, Brigham Young University, Center for the Improvement of Teacher Education and Schooling (CITES), Provo, UT

### **Academic Appointments:**

- 6/2003-5/2004 Adjunct Instructor of Anatomy and Physiology, Department of Biology, Middlesex Community College, Lowell, MA
- 8/2003-7/2006 Adjunct Instructor of Anatomy and Course Director, Department of Physical Therapy, School for Health Studies, Simmons College, Boston, MA
- 8/2006-6/2012 Assistant Professor of Integrative Anatomy, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
- 7/2012-7/2013 Associate Professor of Integrative Anatomy, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
- 8/2012-7/2018 Associate Professor of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 8/2013-7/2018 Adjunct Associate Professor of Neurobiology and Anatomy, University of Utah School of Medicine, Salt Lake City, UT
- 8/2018-present Associate Professor of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA
- 10/2018-3/2021 Adjunct Associate Professor, Physician Assistant Program, Northeastern University, Bouvé College of Health Sciences, Boston, MA

### **Hospital Appointments or Other Employment:**

- 1/2015-present Founder, Visual Representation Solutions, LLC
- 3/2015-2020 Visiting Professor, School of Medicine, St. George's University School of Medicine, True Blue, Grenada, West Indies

3/2015-2016	Visiting Professor, Department of Anatomy, Ross University School of Medicine, Portsmouth, Dominica, West Indies
1/2021-present	Founder, Better Learning Experiences [501(c)(3)]
1/2022-present	Boston University Center for Antiracist Research Affiliates

### Honors:

*Almost all of my awards recognized aspects of my teaching (discipline, pedagogy, creative contributions to the field of medical sciences education). In 2013, I was honored to receive the American Association of Anatomists Basmajian Award for excellence in Anatomy Research and Education. This is highest recognition for members of one of the premier anatomical sciences organization in the world who have demonstrated significant contributions to both anatomy research and teaching within the first 10 years of completing training. In 2021 I was honored with two nominations for excellence in teaching: the Graduate Medical Sciences Teaching Award, and the Metcalf Award, which is Boston University's "highest recognition for excellence in teaching."*

5/2001	Excellence in Teaching Dental Gross Anatomy, Boston University School of Medicine
5/2002	Henry I. Russek Student Achievement Day 1st Prize Award, Boston University School of Medicine
5/2007	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
5/2008	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
5/2008	American Medical Student Association (AMSA) UCLA chapter, Golden Apple Award for Teaching Excellence, David Geffen School of Medicine at UCLA
5/2009	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
5/2009	American Medical Student Association (AMSA) UCLA chapter, Golden Apple Award for Teaching Excellence, David Geffen School of Medicine at UCLA
6/2009	Gabriel H. Wilson Award for Best Paper, The Western Neuroradiological Society (WNRS)
5/2010	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
5/2011	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
5/2011	American Medical Student Association (AMSA) UCLA chapter, Golden Apple Award for Teaching Excellence, David Geffen School of Medicine at UCLA
6/2011	Great Ideas for Teaching, Western Group on Educational Affairs (WGEA), Association of American Medical Colleges (AAMC)
6/2011	Best e-Demo Presentation, International Association of Medical Science Educators (IAMSE)
6/2011	Best Poster Presentation Finalist, International Association of Medical Science Educators (IAMSE)
6/2012	Best Abstract, International Association of Medical Science Educators (IAMSE)
5/2012	PBL Tutor of Excellence, David Geffen School of Medicine at UCLA
4/2013	Basmajian Award for excellence in Anatomy Research and Education, American Association of Anatomists
4/2013	Golden Key Honorary Member, Brigham Young University Chapter of the Golden Key International Honour Society
5/2018	Outstanding Teaching and Service, Department of Physiology and Developmental Biology, Brigham Young University
5/2019	Poster Presentation Award, Human Anatomy and Physiology Society (HAPS)
5/2021	Nomination, Graduate Medical Sciences Teaching Award, Boston University School of Medicine
10/2021	Nomination, 2022 Metcalf Award, Boston University School of Medicine
06/2022	Best Poster Presentation, International Association of Medical Science Educators (IAMSE); Senior author on <i>Claus L, Cassidy B, Landau-Taylor J, Prasad M, Wisco JJ.</i>

- Preclinical ultrasound education using a near-peer educational model. International Association of Medical Science Educators (IAMSE) Abstr 2022 (Oral Presentation; Presentation Award Winner)
- 02/2023 Information Technology in Medicine Award, Massachusetts Medical Society (MMS); Senior author on Ye M, Goodman D, Prasad M, **Wisco JJ**. iProbe, an ultrasound probe simulator application for the smartphone. Massachusetts Medical Society (MMS) Presentation 2023 (Oral; Presentation Award Winner)
- 04/2023 Distinguished Faculty of the Month. Boston University Aram V. Chobanian & Edward Avedisian School of Medicine

### Departmental and University Committees:

*All of my intramural institution committee work has centered on improving medical education pedagogy and/or scholarship. Please note my deep involvement in mentoring faculty colleagues at the David Geffen School of Medicine at UCLA, and later graduate and undergraduate students at Brigham Young University. As a member of the University of Utah School of Medicine Admissions Committee, I worked with a diverse group of colleagues from the university and Salt Lake City communities to select excellent, humanitarian, and culturally sensitive candidates for medical school. I was also approved by the Associate Dean for Admissions to be the Committee's representative to mentor and prepare pre-professional students at Brigham Young University and Utah Valley University for the admissions process. Working with the local pre-professional offices, I gave multiple seminars each year helping candidates understand that applying to medical school (and professional schools in general) was part of a greater process to becoming excellent individuals and members of the community at large. At Boston University School of Medicine, I have been engaged with a number of university and department service opportunities in which I have been learning a great deal about administration, and offering my experience and skills in course and curriculum design and faculty mentoring. I serve as a Guest on the Preclerkship Curriculum Subcommittee to help with faculty development. In this subcommittee I also serve on the Remote Learning Task Force. I serve on the Interview and Selection Committee with the Medical School Office of Admissions. In addition, I have been serving on the Department of Anatomy and Neurobiology, Research Reopening Committee; Fall Teaching Committee; and Diversity, Equity, Inclusion, and Justice Taskforce.*

- 8/2001-6/2002 Guisuppina D'Raviola Graduate Student Memorial Seminar Committee, Department of Anatomy and Neurobiology, Boston University School of Medicine
- 8/2004-6/2006 BrainMap seminar series coordinator, Athinoula A. Martinos Center for Biomedical Imaging, Department of Radiology, Massachusetts General Hospital
- 8/2007-6/2012 Medical Student Recruitment Day, Office for the Dean of Medicine, David Geffen School of Medicine at UCLA
- 8/2008-7/2009 Faculty Search Committee, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA
- 8/2008-7/2010 Medical Gross Anatomy and Histopathology Curriculum Committee, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA
- 8/2009-6/2012 Committee on Online Social Networking, Office for the Dean of Student Affairs, David Geffen School of Medicine at UCLA
- 8/2009-6/2012 Medical Education Fellowship Mentor, Office for the Dean of Medical Education, David Geffen School of Medicine at UCLA
- 8/2011-6/2012 Medical Innovation Interest Group Faculty Co-Sponsor, Office for the Dean of Student Affairs, David Geffen School of Medicine at UCLA
- 8/2013-7/2018 Computer Users Council, College of Life Sciences, Brigham Young University, Provo, UT

8/2014-7/2018	Faculty Advisor, <i>Chiasm</i> Journal (student-run BYU campus scientific journal), Neuroscience Center, Brigham Young University, Provo, UT
8/2014-7/2018	Faculty Advisor, Neuroscience Club, Neuroscience Center, Brigham Young University, Provo, UT
8/2014-7/2018	Department of Physiology and Developmental Biology Curriculum Committee, Brigham Young University, Provo, UT
9/2014-8/2016	Multiple Mini-Interview (MMI) Interviewer, Medical School Admissions Committee, University of Utah School of Medicine
9/2016-2018	Selection Committee, Medical School Admissions Committee, University of Utah School of Medicine
9/2018-present	Standardized Video Interview Review Committee, Medical School Admissions Committee, University of Utah School of Medicine
8/2018-2020	Preclerkship Curriculum Subcommittee (PCS) Guest, Boston University School of Medicine
8/2019-present	Interview and Selection, Medical School Admissions Committee, Boston University School of Medicine
5/2020-5/2021	Remote Learning Taskforce, Preclerkship Curriculum Subcommittee (PCS), Boston University School of Medicine
5/2020-4/2021	COVID-19 Research Reopening Committee, Department of Anatomy and Neurobiology
5/2020-4/2021	COVID-19 Fall Teaching Committee, Department of Anatomy and Neurobiology
5/2020-4/2021	Diversity, Equity, Inclusion, and Justice Taskforce, Department of Anatomy and Neurobiology
5/2020-present	Anatomy Curriculum Transition Director, Boston University School of Medicine
8/2018-present	Preclerkship Curriculum Subcommittee (PCS) member, Boston University School of Medicine
11/2019-present	McCahan Education Day Committee Member, Boston University School of Medicine
11/2020-10/2021	McCahan Education Day Co-Chair, Boston University School of Medicine
12/2020-5/2021	Post-COVID to 2030 Residential Experience Working Group, Boston University, Provost Office
12/2020-9/2021	“Policies and Procedures Governing the Evaluation, Grading, and Promotion of Boston University School of Medicine MD Students sub-committee, Student Evaluation and Promotion Committee (SEPC),” Boston University School of Medicine
12/2020-present	Student Progress Committee, Boston University PA School
1/2021-present	Ultrasound is for Everyone (USIFE) elective Advisor, Boston University School of Medicine
5/2022-present	Educational Technologies governance committee Co-Chair, Boston University
7/2022-present	Interview and Selection, Program in Biomedical Sciences (PiBS) PhD Admissions Committee, Graduate Medical Sciences Boston University School of Medicine
8/2022-present	Learning Environment Oversight group, Boston University School of Medicine

### Teaching Experience and Responsibilities:

*As a clinical anatomist and neuroscientist, teaching the anatomical sciences (gross anatomy, histology, embryology, neuroanatomy) and physiological sciences has always been a significant part of my academic service. In each of my teaching experiences, I have worked together with intra- and inter-disciplinary colleagues to transform my, and each other's, pedagogical techniques toward creating learning environments that encouraged applied and integrated approaches to disciplines and fostering life-long learning.*

8/1997-4/2003	Teaching assistant in Gross Anatomy, Histology, Neuroscience courses for medical and dental students, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA
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- 6/2003-5/2004     Anatomy and Physiology lectures to pre-health professional students, Department of Biology, Middlesex Community College, Lowell, MA
- 8/2003-7/2006     Musculoskeletal Anatomy lectures to physical therapy students, Department of Physical Therapy, School for Health Studies, Simmons College, Boston, MA
- 8/2003-7/2006     Neuroanatomy lectures to physical therapy students, Department of Physical Therapy, School for Health Studies, Simmons College, Boston, MA
- 8/2006-6/2012     Integrated medical school lecturer (MS I, MS II), Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
  - Cardiovascular, Renal, Respiratory systems
  - Upper and Lower Gastrointestinal systems
  - Musculoskeletal system
  - Neurological system
  - Head and Neck region
  - Embryology
- 8/2006-6/2012     Gross Anatomy lab teaching for dental school (DS I), Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
- 8/2006-6/2012     Summer Dissection Lab Coordinator, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
- 9/2006-6/2012     Problem Based Learning Tutor, Office for the Dean of Medical Education, David Geffen School of Medicine at UCLA, Los Angeles, CA
  - Cardiovascular, Renal, Respiratory systems
  - Upper and Lower Gastrointestinal systems
  - Musculoskeletal system
  - Neurological system
- 9/2006-6/2012     Pre-clerkship Clinical Anatomy Orientation (MS III, MS IV) Lead, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
  - Obstetrics/Gynecology
  - Radiology
  - Surgery
- 8/2008-6/2012     Anatomy Module Director, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
  - Cardiovascular, Renal, Respiratory systems
  - Upper and Lower Gastrointestinal systems
  - Musculoskeletal system
- 8/2012-6/2018     Human Anatomy Course Lecturer, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 6/2013-6/2018     Human Anatomy Course TA Training Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 8/2013-6/2018     Human Gross Anatomy Lab Course Instructor (MS I, MS II), Department of Neurobiology and Anatomy, University of Utah School of Medicine, Salt Lake City, UT
- 9/2014-6/2018     Clinical Anatomy Course Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 9/2018-8/2022     Anatomical Sciences Instructor, Principles Integrating Science and Medicine (PrISM), Boston University School of Medicine
  - Molecular Foundations of Medicine

	Cellular Foundations of Medicine
	Body Structures
	Neuroscience
	Genomic Medicine & Immunology
	Cardiovascular System
	Respiratory System
	Renal System
	Gastrointestinal System & Nutrition
	Endocrine & Reproductive Systems
10/2018-9/2021	Instructor, Physician Assistant School, Northeastern University
	Physiology
	Gross Anatomy
	Neuroanatomy
8/2020-present	Elective Director, Teaching in Anatomy, Boston University School of Medicine
9/2018-present	Foundations 2 Co-Director, Principles Integrating Science, Clinical Medicine and Equity (PISCES), Boston University School of Medicine
	Neuroanatomy
	Gross Anatomy
	Histology
	Embryology
	Radiology
9/2018-present	Dermatology, Rheumatology, Musculoskeletal System (DRMSK) Co-Director, Principles Integrating Science, Clinical Medicine and Equity (PISCES), Boston University School of Medicine
	Gross Anatomy
	Histology
	Embryology
	Radiology

### Major Mentoring Activities:

*Teaching in the classroom is only one part of teaching. Mentoring students through basic science, applied science, and educational scholarship research has been a major part of my career. My students have pursued excellent clinical, academic, and translational science/education career tracks.*

### Postdoctoral students Mentored and current discipline or educational pursuit, if known

#### Fellows at David Geffen School of Medicine at UCLA

2010-2011 Steve Schettler, Ph.D., Associate Professor, University of Massachusetts Medicine

#### Fellows at Boston University School of Medicine

2021-2022 Smart Mbagwu, Ph.D.

### Medical/Graduate Students Mentored and current discipline or educational pursuit, if known

#### Students at David Geffen School of Medicine at UCLA

2009-2012 Jacob Ortiz, M.D., Internal Medicine  
 2009-2012 Ilan Safir, M.D., Urology  
 2009-2010 Daniel Lattin, M.D., Ophthalmology  
 2009-2011 Helen Honarpisheh, M.D., Pathology  
 2010-2011 Paul Rabedaux, M.D., Anesthesiology

2010-2011	Seth Lerner, M.D., Anesthesiology
2011-2012	Anita Wong, M.D., Family Medicine
2011-2012	Nathan Hageman, Ph.D., Neurosurgery
2012-2013	Sam Clarke, M.D., Emergency Medicine
2012-2013	Molly Diaz, M.P.H., M.D., Pediatrics
2012-2013	Kene Ojukwu, M.P.P., M.D., Pathology
2012-2013	Jessica Padilla, M.P.P., Health Policy and Management
2012-2013	Stephanie Young, M.D., Internal Medicine
2012-2013	Carlos Guzman, M.D., General Surgery

#### Students at Brigham Young University

2012-2014	Katherine Jenkins, R.N., N.P., Nursing
2012-2014	Kristin Van Tassell, R.N., N.P., Nursing
2012-2017	Christopher Doxey, D.O., Ph.D. Neuroscience, Psychiatry
2012-2017	Roxanne Miller, Ph.D., Neuroscience, Medical student at University of the Incarnate Word
2013-2014	Ryan Folsom, M.S. Neuroscience
2013-2015	Nena Lundgreen Mason, Ph.D., Associate Professor, Rocky Vista University College of Osteopathic Medicine
2013-2017	Rajan Adhikari, M.D., Ph.D., Neuroscience, Postdoctoral Fellow, Boston University School of Medicine
2014-2017	Steve Cieslak, M.S., M.B.A., Physiology and Developmental Biology, Predoctoral student, Indiana University School of Medicine
2014-2017	Doris Jackson, Ph.D., Neuroscience
2014-2017	Jennifer Bowden, Ph.D., Exercise Science
2014-2019	Paula Johnson, Ph.D., Neuroscience, Postdoctoral Fellow, University of Utah School of Medicine
2014-2018	BreAnna Long Hutchinson, Ph.D. Neuroscience
2014-2018	Kevin Steed, Ph.D., Neuroscience, Assistant Professor of Biomedical Education, California Health Sciences University, College of Osteopathic Medicine
2017-2018	Bryan Crum, M.S., Neuroscience, Predoctoral student, University of Rochester School of Medicine & Dentistry

#### Students at Boston University

2018-2020	Amanda Araujo, M.S., Forensic Science, Pathology
2018-2020	Shawn Nirody, M.S., Medical Sciences, Predoctoral student, University of British Columbia
2019-present	Sonali Rathod, Medical Student, anticipated graduation 2023
2019-present	Riley Kolus, Medical Student, anticipated graduation 2023
2019-present	Byungchan Kim, Medical Student, anticipated graduation 2023
2019-present	Sarika Gurnani, Medical Student, anticipated graduation 2023
2019-present	Andy Kim, Medical Student, anticipated graduation 2023
2019-present	Erin Kim, Medical Student, anticipated graduation 2023
2019-present	Faisal Tan, Medical Student, anticipated graduation 2023
2019-present	Isabelle Van Roy, Medical Student, anticipated graduation 2023
2019-2021	Dustin Lin, M.S. Medical Sciences, Instructor, Northeastern University; Instructor, Boston University Graduate Medical Sciences
2019-2021	Raissa Zuim Dantas De Souza, M.S. Anatomy and Neurobiology, Instructor, Nebraska Wesleyan University

2020-2022	Ania Filimonv, M.S. Anatomy and Neurobiology, anticipated graduation 2022, Thesis advisor, Vesalius Program, Boston University School of Medicine
2020-2022	Nadia Rukavina, M.S. Anatomy and Neurobiology, anticipated graduation 2022, Thesis advisor, Vesalius Program, Boston University School of Medicine
2020-2022	Darren Ty, M.S. Anatomy and Neurobiology, anticipated graduation 2022, Thesis advisor, Vesalius Program, Boston University School of Medicine
2020-2022	Emily Lai, M.S. Anatomy and Neurobiology, anticipated graduation 2022, Research Mentor, Vesalius Program, Boston University School of Medicine
2020-2022	Sydney Mosaheb, M.S. Anatomy and Neurobiology, anticipated graduation 2022, Research Mentor, Vesalius Program, Boston University School of Medicine
2020-2022	Jessica Shi, MD, Radiology
2020-2022	Jake Barrett, MD, Radiology
2020-2022	Shiomeng Tse, M.S. Medical Sciences, Instructor, Boston University Graduate Medical Sciences
2020-present	Ann Fefferman, Medical Student, anticipated graduation 2024
2020-present	Jessica Landau-Taylor, Medical Student, anticipated graduation 2024
2020-present	Brett Cassidy, Medical Student, anticipated graduation 2024
2020-present	Lindsey Claus, Medical Student, anticipated graduation 2024
2020-present	Minali Prasad, Medical Student, anticipated graduation 2024
2021-present	Maddie Schutte, M.S. Medical Sciences, anticipated graduation 2023
2021-present	Tyler Capen, M.S. Anatomy and Neurobiology, anticipated graduation 2023, Thesis advisor, Vesalius Program, Boston University School of Medicine
2021-present	Noah Siegel, Medical Student, anticipated graduation 2025
2021-present	Cassandra Lee, Medical Student, anticipated graduation 2025
2021-present	Brandon Oddo, Medical Student, anticipated graduation 2025
2021-present	Tony Robinson, Medical Student, anticipated graduation 2025
2021-present	Matthew Depamphilis, Medical Student, anticipated graduation 2025
2021-present	Ali Aijaz, Medical Student, anticipated graduation 2025
2021-present	Harika Dabbara, Medical Student, anticipated graduation 2025
2021-present	Justin Wang, Medical Student, anticipated graduation 2025
2021-present	Deniz Gaberz-Mah, Medical Student, anticipated graduation 2025
2022-present	Thomas McNamara, Medical Student, anticipated graduation 2026
2022-present	Roey Ringel, Medical Student, anticipated graduation 2026
2022-present	Thomas McNamara, Medical Student, anticipated graduation 2026
2022-present	Cameron Hill, Medical Student, anticipated graduation 2026
2022-present	Luke Scheuer, Medical Student, anticipated graduation 2026

Undergraduate Students Mentored and current degree, discipline or educational pursuit, if known

Students at David Geffen School of Medicine at UCLA

2010-2013	Ashley Salin, PA-C
2010-2013	Megan Salin
2010-2013	Kevin Steed, Ph.D., currently Assistant Professor of Biomedical Education, California Health Sciences University, College of Osteopathic Medicine
2011-2012	James Bridgewater
2011-2012	Nathan Cheng
2011-2012	Linda Lee
2011-2012	Zack Naqvi
2011-2012	Brian Park
2011-2012	Lisa Shue, M.D.



2011-2012	Jason Wu
2011-2012	Gloria Yang
2011-2012	Paulina Young
2011-2013	Anisha Banda
2011-2013	Kristi Choy
2011-2013	Trevor Ideta
2011-2013	Talar Kavafyan, M.D.
2011-2013	Robert Liu, M.D.
2011-2013	Anh Nguyen
2011-2013	Megan Stone, Ph.D.
2011-2015	Anthony Nguyen, M.D.
2012-2013	Huy (Steven) Pham
2012-2013	Erica Liu
2012-2013	Kelly Chan

Students at Brigham Young University

2012-2013	Thomas Gall, O.D.
2012-2013	Carter Newey, D.O.
2012-2013	Jeremy Seastrand, D.O.
2012-2013	Kylen Zibetti
2012-2014	Brigham Barzee, M.D.
2012-2015	Jake Gamboa, M.D.
2012-2015	Michael Gillespie, M.D.
2012-2015	Adam Jorgensen, M.D., PhD.
2012-2015	David Vogelsang, M.B.A., M.D.
2012-2015	Daniel Wilkes, D.P.M.
2012-2016	Brett Gardiner
2013-2014	Jordan Clement, M.D.
2013-2014	Jordon Edwards
2013-2014	Bridger Frampton, D.O.
2013-2014	Riley Hales, M.D.
2013-2014	Andrew Johnston
2013-2014	Andrew Wilkes
2013-2014	Austin Russell, M.D.
2013-2014	David McLaughlin
2013-2014	Cody Waldron
2013-2014	Josh Childs
2013-2015	Marc Christiansen
2013-2015	Brandon Herrington, M.D.
2013-2015	Dani Peterson, Ph.D.
2013-2015	Alex Christensen, O.D.
2013-2015	Alex Mageno, M.D., Psychiatry
2013-2015	Autumn Tullis
2013-2015	Kinny Edmunds, D.M.D.
2013-2015	Austin Papritz
2013-2015	David Harrington
2013-2015	Javier Ascanio, D.P.T.
2013-2015	Dallin Anderson, D.P.T.
2013-2015	Jeff Peterson, M.D.
2013-2015	Samuel Barlow, M.D.

2013-2015	Scott Robison
2013-2015	McKay Avondet, D.O.
2013-2016	Craig Clayton, D.M.D.
2013-2016	Brett Heldt, M.D.
2013-2017	Harrison Snyder, M.D., Neurosurgery
2014-2015	Paul Ormston, M.D.
2014-2015	Nate Hainsworth, D.O.
2014-2015	Jamison Harvey, M.D., Dermatology
2014-2015	Katrina Peterson, N.P.
2014-2015	Zach Call, M.D.
2014-2016	Nicole Law, medical student at George Washington University (Washington, DC)
2014-2016	Tyler Madsen, D.M.D.
2014-2017	Vince Labinpuno, currently dental student at University of Michigan School of Dentistry (Ann Arbor, MI)
2014-2017	Evan Whisenant
2014-2017	Quinn Alkonis
2014-2017	Dane Eskildsen, M.D.
2014-2017	Taylor Stephensen, J.D.
2014-2016	Jamison Weeks
2014-2018	Ty Hancock, M.B.A.
2015-2016	Eric San Diego, D.M.D.
2015-2016	Chris Rollins, currently dental student at University of Louisville (Louisville, KY)
2015-2016	Don Messick, M.D.
2015-2016	Amelie Bruya
2015-2016	Jordan Porter
2015-2016	Tanner Gray, D.M.D.
2015-2017	Jess Kudlacek, currently law student at George Washington University
2015-2017	Steven Cook, M.B.A.
2015-2017	Kylie Treadwell, D.P.T.
2015-2017	Ryan Jensen, D.O., Pain Management and Rehabilitation
2015-2017	Sarah Nguyen, M.D., Neurosurgery
2015-2017	Maya Atmojo
2015-2018	Kyle Barkdull, currently medical student at Rocky Vista School of Osteopathic medicine (St. George, UT)
2015-2018	Parker Cox, currently medical student at University of Utah School of Medicine (Salt Lake City, UT)
2015-2018	Devon Smith, currently medical student at Oregon Health and Sciences University (Portland, OR)
2015-2018	Trevor Page, currently medical student at Rosalind Franklin University of Medicine and Science (North Chicago, IL)
2015-2018	Alistair Hilton, currently medical student at Vanderbilt University School of Medicine (Nashville, TN)
2016-2017	Chloe Read, currently special education high school teacher at Spectrum Academy (Pleasant Grove, UT)
2016-2017	Chandler Cottam
2016-2018	Matthew Harris, currently medical student at
2016-2018	Ryan Staudte
2016-2018	Chase Walton, currently medical student at University of South Carolina
2016-2018	Tyler Brennan, currently dental student at UCLA (Los Angeles, CA)
2016-2018	Celin Duran, currently dental student at University of North Carolina (Chapel Hill, NC)

2016-2018	Madi Unson, currently medical student at University of Utah School of Medicine (Salt Lake City, UT)
2016-2018	Marshall Brown
2016-2018	Sedrick Weekes, currently medical student at Edward Via College of Osteopathic Medicine (Blacksburg, VA)
2016-2018	Amanda Nielson, currently dual pharmacy/MBP student, University of California, San Diego
2016-2018	ReyLynn Reid, currently PA student at Weill Cornell Graduate School of Medical Sciences
2016-2018	Devin Morris, currently medical student at University of Texas, San Antonio (San Antonio, TX)
2016-2018	Dylan Pope
2016-2018	Kevin Burningham, currently medical student at Texas Tech University School of Medicine (Lubbock, TX)
2017-2018	Abbey Rasch, currently medical student at Boston University School of Medicine
2017-2018	Elisabeth Black, currently medical student at Georgetown University School of Medicine
2017-2018	Lauren Malmgren, R.N.

#### Students at Boston University

2019-2020	Ashvini Melkote, currently research technician, Massachusetts General Hospital (Boston, MA)
2019-2021	Alexis Sotelo
2019-2021	Chloe Amsterdam, currently medical student at Ohio State University School of Medicine
2021-2022	Lucy Xia, currently a medical illustrator
2021-2022	Hannah Lee, currently applying to dental school
2019-present	Barbie Kania
2020-present	Isabella Critchfield-Jain
2020-present	Avery Lahodny
2021-present	Jake Shearer
2021-present	Abhilasha Bellapu
2021-present	Ronald Yang
2021-present	Estefania Rivera
2022-present	Maya Zeldich
2022-present	Katherine Chang
2022-present	Porche Jones
2022-present	Tyler Capen
2022-present	Emma Schmidt
2022-present	Ryan Hsi
2022-present	Samuel Yang
2022-present	Maxwell Ye
2022-present	Annmarie Allos
2022-present	Lauren Sanderson
2022-present	Alexandra Gates
2022-present	Sofia Adrienko

#### Major Administrative Responsibilities:

*I have been given the responsibility of being a course and/or integrated thread director, representing my anatomy colleagues in the undergraduate medical/dental, or pre-professional curriculum committees of multiple institutions. In those roles, I have helped transform curricula to be more applied, integrative, and as a*

*result, relevant to the educational experience of pre- and professional students. In particular, at both the David Geffen School of Medicine at UCLA, and Brigham Young University, I led the effort to transform the anatomical sciences curriculum from that of rote memorization into an integrated applied anatomy pedagogy. Both times, I worked with intra- and inter-disciplinary colleagues to transform the learning experience according to the pedagogical framework of Significant Learning (Dee Fink, 2003, 2013).*

8/2006-7/2012	Anatomy Summer Dissection Program Director, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
8/2007-7/2010	Medical Gross Anatomy Associate Course Director, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
8/2009-7/2012	Associate Director for Research Activities, Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
8/2010-7/2013	Director, Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4), Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA
8/2012-6/2018	Director, Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4), Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
6/2013-6/2018	Human Anatomy Lab Course Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
8/2013-6/2018	Board Member, Magnetic Resonance Imaging Research Facility (MRIRF), Brigham Young University, Provo, UT
8/2014-6/2018	Associate Director, Magnetic Resonance Imaging Research Facility (MRIRF), Brigham Young University, Provo, UT
8/2018-present	Director, Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4), Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA
8/2019-2020	Assistant Director, High-Field 11.7T MRI Core, Boston University School of Medicine, Boston, MA
7/2022-present	Co-Director, Principles Integrating Science, Clinical Medicine and Equity (PISCES)

### **Other Professional Activities:**

#### **Professional Societies: Memberships, Offices, and Committee Assignments:**

*Although a member of multiple academic societies by virtue of the diversity of my clinical anatomy and neuroscience discipline, my primary international work has been with the American Association of Anatomists (AAA), American Association of Clinical Anatomists (AACA), and the International Association of Medical Science Educators (IAMSE). AAA and AACA are discipline-specific organizations. IAMSE is a discipline-integrated society. In each of these, I have been a member and/or chair of committees whose primary responsibilities are to improve pedagogy and mentoring of faculty and students. Please note that in 2015 I served as the Program Planning Committee Chair for the IAMSE meeting. The conference in San Diego was the second step in an ongoing series of Board of Directors milestones to help its members transform their course, thread and/or institutional curriculum into a fully discipline-integrated learning environment that fosters life-long and self-directed learning. The 2015 meeting theme was that of integration through building bridges across disciplines.*

1993-1994	Member, Beta Beta Beta Biological Honor Society
1998-present	Member, Society for Neuroscience (SfN)
1999-2018	Member, Sigma Xi Honorary Scientific Society
1999-present	Member, American Association for the Advancement of Science (AAAS)
2000-present	Member, American Association of Anatomists (AAA)
2005-present	Member, International Society for Magnetic Resonance in Medicine (ISMRM)
2007-present	Member, International Association of Medical Science Educators (IAMSE)
2007-present	Member, American Association of Clinical Anatomists (AACA)
2009-2010	International Conference Planning Committee, International Association of Medical Science Educators (IAMSE)
2009-present	Academic Mentor, American Association of Anatomists (AAA)
2010-present	Educational Scholarship Committee, International Association of Medical Science Educators (IAMSE)
2011-2012	Technology Planning Program Sub-Committee, International Association of Medical Science Educators (IAMSE)
2011-2013	Financial Affairs Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2012-2015	Chair, Publicity ad hoc Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2012-2015	Career Development Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2013-2016	Educational Affairs Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2013-2018	Academic Mentor, Society for Neuroscience (SfN)
2013-2018	Member, Parametric Human Project (PHP)
2013-2014	Incoming Chair, International Conference Planning Committee, International Association of Medical Science Educators (IAMSE)
2014-2015	Chair, Conference Program Planning Committee, International Association of Medical Science Educators (IAMSE)
2014-2015	Chair, Career Development Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2014-2015	Annual Meeting Planning Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2014-2015	Meeting Oversight Program Planning Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2014-2015	Chair, Regional Meeting Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2014-2015	Member, MedU Anatomy Team
2014-2015	AACA/AAA Joint Initiatives Sub-Committee on Regional Meetings, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2014-present	Member, Human Anatomy and Physiology Society (HAPS)
2014-present	Professional Development Committee, International Association of Medical Science Educators (IAMSE)
2015-2018	Chair, Brand Promotion and Outreach Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2015-2016	Emeritus Chair, Conference Program Planning Committee, International Association of Medical Science Educators (IAMSE)
2016-present	Member, Board of Directors (elected), International Association of Medical Science Educators (IAMSE)

2016-2018	Loan Repayment Program Ambassador, National Institutes of Health (NIH)
2018-2020	Emeritus Chair, Brand Promotion and Outreach Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2018-2020	Chair, Membership Committee, Presidential Appointee, Human Anatomy and Physiology Society (HAPS)
2018-present	Member, Diversity, Equity, and Inclusion (DEI) committee, Human Anatomy and Physiology Society (HAPS)
2020-present	Member, Diversity, Equity, Inclusion, and Justice (DEIJ) committee, Department of Anatomy and Neurobiology, Boston University School of Medicine
2020-present	Member, Advisory Board for Complete Anatomy, 3D4Medical
2020-present	Member, Advisory Board for Biodigital
2020-present	Member, Advisory Board for the Virtual Dissection Database (VDD), American Association of Anatomists
2020-present	Member, Diversity, Equity, and Inclusion (DEI) committee, American Association of Clinical Anatomists
2020-present	Member, #IAMSECafe Organizing Committee (appointed), International Association of Medical Science Educators (IAMSE)
2021-present	Chair, Professional Development Committee, International Association of Medical Science Educators (IAMSE)
2021-present	Member, Association of STEMM Pathway and Bridge Programs (ASPBP)
2022-present	Treasurer, Association of STEMM Pathway and Bridge Programs (ASPBP)
2022-present	Member, Awards Task Force, American Association for Anatomy (AAA)

#### **Editorial Boards:**

2008-2015	Reviewer, NeuroImage
2008-2015	Reviewer, Archives of General Psychiatry
2008-2012	Reviewer, Health Education Assets Library (HEAL)
2010-2011	Breakthroughs in Bioscience Scientific Advisor, Federation of American Societies for Experimental Biology
2010-present	Scientific Advisory Board, International Journal of Anatomical Variations (IJAV)
2010-present	Reviewer, Clinical Anatomy
2010-2015	Reviewer, Schizophrenia Bulletin
2012-present	Reviewer, MedEdPORTAL
2012-2018	Reviewer, Journal of Anesthesia & Clinical Research
2012-2018	Scientific Advisory Board, International Scholarly Research Network (ISRN) – Anatomy
2013-2018	Reviewer, Local and Regional Anesthesia
2013-2017	Scientific Advisory Board, Primal Pictures
2014-present	Editorial Board, Journal of Medical Education and Curricular Development (JMECD)
2014-present	Reviewer, Anatomical Record
2016-2020	Guest Editor, Diagnostics (Special Issue "Alzheimer's Disease Imaging Biomarkers")
2019-2020	Reviewer, Thieme Publishing
2022-present	Associate Editor, Anatomical Sciences Education (ASE)

#### **Major Committee Assignments:**

#### **Study Sections:**

*I have served on extramural grant study sections in the disciplines of neuroscience and head and neck clinical anatomy.*

National Institutes of Health:

- 2013 Special Emphasis Panel EUREKA, ZNS1 SRB-N 04, National Institute of Neurological Disorders and Stroke (NINDS)
- 2015 Center for Scientific Review (CSR), NIH Director's Early Independence Award applications (DP5), Risk, Prevention and Health Behavior (RPHB), Integrated Review Group Division of AIDS, Behavior and Population Sciences (DABP)
- 2015 Fellowship review on Voice, Speech and Language for Council 2015/10, National Institute on Deafness and Other Communications Disorders (NIDCD)
- 2019 NIH ZDC1 SRB R-39 (SEP), Translational (Voice, Speech, Language) R01, National Institute on Deafness and Other Communication Disorders (NIDCD)
- 2021 NIH 2021/05 ZRG1 ETTN-P (89) S, Special Topics: Brain Imaging, Modeling and Computational Analyses, Emerging Imaging Technologies in Neuroscience (EITN); Brain Imaging, Vision, Bioengineering and Low Vision Technology Development (BIVT), Division of Neuroscience, Development and Aging, National Institute of Health Center for Scientific Review (CSR)
- 2023 NIH Special Emphasis Panel ZRG1 BN-R (86) A, Neuroscience AREA Grant Applications, Division of Neuroscience, Development and Aging

**Foundation:**

- 2016-2020 The Ed and Ethel Moore Alzheimer's Disease Research Program, Florida Department of Health

**Other Support:**

**Current:**

*I have organized my basic science research and educational scholarship efforts to primarily be mentoring activities for pre-professional and professional students. I have been the recipient of multiple basic science and educational scholarship intramural and extramural grants. Receiving funding to support my primary research areas in Alzheimer's disease neuropathology, and in larynx anatomy and physiology, has been essential in my ability to mentor students for research careers. Very few extramural educational scholarship grants are available; thus, I have supported my medical education scholarship work in the area of service-learning primarily through intramural funding and collaborations with colleagues. Through this funding, we have supported my program, Anatomy Academy, which teaches elementary and secondary students how to live a healthy lifestyle through a better understanding of anatomy, physiology and nutrition. The program started in Los Angeles, CA, but its headquarters are now in Boston, MA. Through the mentoring of faculty in my academic societies, it has become a growing national program, with universities and schools participating in Massachusetts, Utah, California, Florida, New Mexico, Texas, Iowa, Arizona, and New York.*

- 4/2023-3/2025 International Association of Medical Science Educators (IAMSE) Student Grant PI: Cameron Hill, Bridging the gap between faculty creation and medical student understanding of self-learning guides, Total Cost: \$2,500; Direct Costs to Wisco: \$2,500; Indirect Costs to Wisco: none  
Role: Faculty Mentor
- 2/2023-12/2024 Boston University, Shipley Center for Digital Learning & Innovation PI: Jonathan J. Wisco, PhD, Improving Access and Equity of Cadaveric Anatomy Through the Democratization of Digital Body Preservation, Total Cost: \$70,019; Direct Costs to Wisco: \$70,019; Indirect Costs to Wisco: none  
Role: Principal Investigator

**Past:**

- 7/2000-6/2001 Graduate Student Research Fellowship, Boston University School of Medicine PI: Jonathan J. Wisco, Examination of brain morphology and metabolism in a non-human primate model for aging and cerebrovascular disease using Magnetic Resonance Imaging (MRI) and Magnetic Resonance Spectroscopy (MRS), Total Cost: \$5,000  
Role: Principal Investigator
- 7/2000-6/2003 5F31AG05897 NIH/NIA PI: Jonathan J. Wisco, Anatomical and behavioral analysis of a non-human primate model for aging and cerebrovascular disease using Magnetic Resonance Imaging (MRI), Total Cost: Stipend and academic fees  
Role: Principal Investigator
- 7/2003-6/2006 Glaxo-Smith-Kline PI: Greg Sorensen, M.D., Diffusion Tensor and Functional Imaging of the Thalamus in Schizophrenia, Total Cost: \$51,240  
Role: Postdoctoral Fellow
- 7/2004-6/2006 5T32CA09502 NIH/NCI PI: Greg Sorensen, M.D., Nuclear Magnetic Resonance Research, Total Cost: \$58,560  
Role: Postdoctoral Fellow
- 9/2007-9/2010 Exploratory Research Fund, Department of Radiology, David Geffen School of Medicine at UCLA PI: Ed Zaragoza, M.D., Analysis of hip joint geometry and motion in osteoarthritis using high-resolution CT and MRI techniques: a pilot study using cadaver and live human subjects, Total Cost \$5,050  
Role: Co-Investigator
- 9/2009-9/2010 Translational Research Fund, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA PI: Steven P. Schettler, Ph.D., Ex vivo pathologic validation of 7T MRI imaging system in Alzheimer's disease: a novel morphometric study using digital pathology, Total Cost \$8,000  
Role: Co-Investigator
- 9/2009-8/2012 3P41RR013642-12S1 NIH/NCRR PI: Arthur Toga, P.D., Computational anatomy and multidimensional modeling, Total Cost: \$397,641  
Role: Co-Investigator
- 3/2010-3/2011 American Association of Anatomists Visiting Scholarship PI: Jonathan J. Wisco, Ph.D., Quantitative 3D reconstruction technique for neuromuscular structures, Total Cost: \$1,000  
Role: Principal Investigator
- 5/2010 Private Donation to the Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4) from Dr. Sally McGinty PI: Jonathan J. Wisco, Ph.D., Total Cost: \$10,200  
Role: Principal Investigator
- 1/2011-12/2011 Translational Research Fund, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA PI: Jonathan J. Wisco, Ph.D., Non-invasive evaluation of progressive beta amyloid neuropathology in a transgenic mouse model, Total Cost \$9,528  
Role: Principal Investigator
- 4/2011-3/2013 1R21AG037843-02 NIH/NIA PI: Jonathan J. Wisco, Ph.D., Histologically validated structural MR imaging biomarkers for Alzheimer's Disease, Total Cost: \$223,455  
Role: Principal Investigator
- 4/2012-3/2013 The Albert Schweitzer Fellowship Co-PI: Kenekwukwu Ojukwu, Molly Diaz, Jonathan J. Wisco, Ph.D., Anatomy Academy, Total Cost: \$5,000  
Role: Co-Principal Investigator



- 7/2012-6/2014 Clinical Research Loan Repayment Program PI: Jonathan J. Wisco, Ph.D., Establishing a histologically validated Alzheimer's disease (AD) Magnetic Resonance Imaging (MRI) brain atlas and biomarker, Total Cost: N/A  
Role: Principal Investigator
- 8/2012-7/2015 Mentoring Environment Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Toward an imaging biomarker for Alzheimer's disease, Total Cost: \$60,000  
Role: Principal Investigator
- 11/2012-11/2013 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., A Problem Based Learning (PBL) Approach to Enhance the Anatomy Lecture Experience, Total Cost: \$6,875  
Role: Principal Investigator
- 8/2012-7/2015 Mentoring Environment Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Development of an MRI-histology Image Registration Technique for the Vocal Folds to Inform Creation of Biomechanical Models of Phonation, Total Cost: \$10,000
- 1/2013-12/2013 Gerontology Research Grant Award, Gerontology Program, School of Family Life, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Histological Validation of Alzheimer's Disease MRI Biomarkers, Total Cost: \$10,000  
Role: Principal Investigator
- 1/2013-12/2014 Mentored Research Environment Grant, Office of Research & Creative Activities, Brigham Young University PI: Gary Seastrand, Ed.D., Experiential Learning of Science and Health Teaching Competencies through Anatomy Academy, Total Cost: \$20,000  
Role: Co-Investigator
- 1/2013-12/2014 Mentored Research Environment Grant, Office of Research & Creative Activities, Brigham Young University PI: Jane Lassetter, R.N., N.P., Ph.D., Anatomy Academy: The Impact on Nursing Student Coordinators, Total Cost: \$20,000  
Role: Co-Investigator
- 7/2013-5/2014 Engaged Learning Grant, Office of Engaged Learning, Utah Valley University PI: Heather Wilson-Ashworth, Ph.D., Anatomy Academy: An interdisciplinary educational intervention to fight obesity, Total Cost: \$10,000  
Role: Co-Investigator
- 8/2013-2/2014 Course Development Project Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Toward a flipped classroom pedagogy for the anatomy laboratory class, Total Cost: \$300  
Role: Principal Investigator
- 8/2013-7/2016 Research Cluster Grant, David O. McKay School of Education, Brigham Young University Co-PI: Teresa Gabrielsen, Blake Hansen, Improving the Lives of Children with Autism and Their Families Through Interdisciplinary Research, Training, and Community Partnerships, Total Cost: \$66,000  
Role: Co-Investigator
- 10/2013-9/2014 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Priming the Learning Experience in the Anatomy Lab, Total Cost: \$9,800  
Role: Principal Investigator
- 9/2014-2020 Annual Private Donation to the Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4) from Dr. Sally McGinty PI: Jonathan J. Wisco, Ph.D., \$10,000/year, Total Cost: \$50,000  
Role: Principal Investigator

- 1/2014-12/2014 Gerontology Research Grant Award, Gerontology Program, School of Family Life, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Testing the Iron Hypothesis for Alzheimer's Disease Pathophysiology, Total Cost: \$10,000  
Role: Principal Investigator
- 1/2014-12/2015 David O. McKay Scholarly and Creative Works Grant, Office of Associate Academic Vice President for Research and Graduate Studies, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Service Learning through Anatomy Academy, Total Cost: \$24,980  
Role: Principal Investigator
- 10/2014-9/2015 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Creation of Full-Length Anatomy Instructional Videos, Total Cost: \$10,000  
Role: Principal Investigator
- 10/2014-9/2015 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Anatomy Uncovered, Total Cost: \$10,000  
Role: Principal Investigator
- 10/2014-10/2016 01DC009616-05 NIH/NIDCD PI: Jonathan J. Wisco, Ph.D., Influence of Subglottic Anatomy on Voice Production, Total Cost: \$330,652  
Role: Principal Investigator
- 1/2015-12/2016 Mentored Research Environment Grant, Office of Research & Creative Activities, Brigham Young University PI: Lon Cook, Ph.D., Rebuilding Kidneys, Total Cost: \$20,000  
Role: Co-Investigator
- 1/2015-12/2015 Gerontology Research Grant Award, Gerontology Program, School of Family Life, Brigham Young University PI: Richard K. Watt, Ph.D., Demonstrating that 'Free Iron' is the Trigger that Initiates Amyloid Plaque and Tau Tangle Formation in Alzheimer's Disease Pathophysiology, Total Cost: \$10,000  
Role: Co-Investigator
- 1/2015-12/2015 Myrtie Fulton Endowed Mentorship Award, College of Nursing, Brigham Young University PI: Jane Lassetter, R.N., N.P., Ph.D., Native Hawaiian and Pacific Islander Health Descriptors: A Mentoring Research Proposal, Total Cost: \$8,000  
Role: Co-Investigator
- 10/2015-9/2016 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Plastination Lab, Total Cost: \$6,200  
Role: Principal Investigator
- 1/2016-12/2016 Gerontology Research Grant Award, Gerontology Program, School of Family Life, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Gender Based Alzheimer's Disease Pathophysiology, Total Cost: \$10,000  
Role: Principal Investigator
- 5/2016-12/2017 Textbook Conversion Project Award, Harold B. Lee Library, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Comparison of Online Textbook Resources for Anatomy, Total Cost: \$14,000  
Role: Principal Investigator
- 11/2016-10/2017 Teaching Enhancement Grant, College of Life Sciences, Brigham Young University PI: Sterling Sudweeks, Ph.D., Enhancing the Active Learning Experience in Advanced Physiology Laboratory (PDBio 363), Total Cost: \$10,000  
Role: Co-Investigator
- 1/2017-1/2018 James Bobbitt Alzheimer's Research Faculty Award, College of Life Sciences, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Anti-oxidant Treatment to Ameliorate Alzheimer's Disease Pathophysiology in Cultured Neurons, Total Cost: \$13,000

- 1/2017-12/2017      Role: Principal Investigator  
Private Donation to the Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4) from Neurodar PI: Jonathan J. Wisco, Ph.D., Total Cost: \$20,000
- 2/2017-1/2018      Role: Principal Investigator  
Private Donation to the Laboratory for Translational Anatomy of Degenerative Diseases and Developmental Disorders (TAD4) from Limitless Worldwide PI: Jonathan J. Wisco, Ph.D., Total Cost: \$2,900
- 5/2017-5/2018      Role: Principal Investigator  
David M. Kennedy Center for International Studies, Brigham Young University PI: Jonathan J. Wisco, Ph.D., Deepening the appreciation of anatomy form and function through a comparison of pedagogical context between modern and ancient learning resources, Total Cost: \$5,000
- 8/2017-7/2018      Role: Principal Investigator  
R56DC009616 NIH/NIDCD PI: Scott Thomson, Ph.D., Imaging and influence of glottic and subglottic anatomy in healthy and stenotic patients, Total Cost: \$727,397; Direct Costs to Wisco: \$88,600; Indirect Costs to Wisco: \$40,455
- 1/2021-12/2021      Role: Co-Investigator  
Shipley Pilot Grant Funding 2021 PI: Jonathan J. Wisco, PhD, Improvements in prostate mpMRI/US image-fusion targeted biopsies to benefit underserved patients, Total Cost: \$50,000; Direct Costs to Wisco: \$50,000; Indirect Costs to Wisco: none
- 1/2022-12/2022      Role: Principal Investigator  
Sexual Medicine Pilot Grant Funding 2022 PI: Jonathan J. Wisco, PhD, Developing a semi-quantitative regression model of prostate cancer outcomes that includes social determinants of health, Total Cost: \$50,000; Direct Costs to Wisco: \$50,000; Indirect Costs to Wisco: none
- 4/2021-3/2023      Role: Principal Investigator  
International Association of Medical Science Educators (IAMSE) Curriculum Innovation Grant PI: Jonathan J. Wisco, PhD, An Ultrasound Simulator App for the Smartphone, Total Cost: \$4,994; Direct Costs to Wisco: \$4,994; Indirect Costs to Wisco: none
- 4/2021-3/2023      Role: Principal Investigator  
International Association of Medical Science Educators (IAMSE) Student Grant PI: Lindsey Claus, Building Self-directed Dyadic Learning Experiences Through Preclinical Ultrasound Education, Total Cost: \$2,498; Direct Costs to Wisco: \$2,498; Indirect Costs to Wisco: none
- 8/2018-7/2023      Role: Faculty Mentor  
R01DC009616 NIH/NIDCD PI: Scott Thomson, Ph.D., Imaging and influence of glottic and subglottic anatomy in healthy and stenotic patients, Total Cost: \$3,318,480; Direct Costs to Wisco: \$344,005; Indirect Costs to Wisco: \$223,604
- Role: Co-Investigator

### **Invited Lectures and Conference Presentations:**

#### **Regional/Local:**

*My regional/local presentations have focused on my basic science research, primarily regarding Alzheimer's disease neuropathology. Recently, however, I have been invited to give presentations on my educational scholarship work of online learning and service-learning.*

- June 2005      Magnetic Resonance Imaging of the Brain. Seminar on Special Topics in Nursing. Simmons College, School of Nursing [*invited seminar*]

- May 2010 Medical Student Perceptions of the Value of Anatomy Knowledge and Instructional Methodologies. Educational Development & Research, David Geffen School of Medicine at UCLA, Colloquium Presentation *[invited seminar]*
- May 2011 Anatomical Correlates of Cardiac Electrical Conduction. David Geffen School of Medicine at UCLA, Electrophysiology Fellows Seminar Series *[invited seminar]*
- October 2013 Clinical Anatomy of the Anterior Abdominal Wall. Medical gross Anatomy TA meeting. University of Utah School of Medicine, Department of Neurobiology and Anatomy *[invited lecture]*
- March 2014 The Role of Oxidative Stress in the Development of Alzheimer's Disease. Russell B. Clark Gerontology Conference, Brigham Young University *[invited plenary]*
- January 2015 The New Anatomy in Teaching, Service, and Research. Brigham Young University *[invited seminar]*
- January 2015 A Service-Learning University-Community Partnership Stewardship: The Anatomy Academy Model. Center for the Improvement of Teacher Education & Schooling (CITES) Leaders Conference *[invited platform]*
- August 2015 Rigor, Relationships and Relevance: The Dual Service- and Engaged-Learning Model of Anatomy Academy. Utah County Academy of Sciences *[invited platform]*
- March 2016 The Iron Window into Alzheimer's Disease Pathophysiology and MR Imaging. Russell B. Clark Gerontology Conference, Brigham Young University *[invited plenary]*
- December 2016 High-speed Video Capture of Anterior Cruciate Ligament Tearing. Utah Athletic Trainers Association. Weber State University *[invited seminar]*
- May 2017 Bodies Filled with Light. Brigham Young University Wellness Program Symposium *[invited seminar]*
- September 2017 'Of Mice and Men' and the Iron Window of Alzheimer's Disease Pathophysiology in Between. Brigham Young University *[invited seminar]*
- November 2017 Impressions of a Low-Cost Online Textbook Resource for Human Anatomy. Brigham Young University Copyright Symposium *[invited seminar]*
- November 2018 All I Ever Needed to Learn about Teaching Happened when I Taught a Child How to Ride a Bicycle. Department of Physiology and Biophysics, Boston University School of Medicine *[invited seminar]*
- January 2019 Anatomy Academy: Extending the Learning Environment from Classroom to Community. The Teaching Academy, Robert Larner, M.D. College of Medicine at the University of Vermont *[invited seminar]*
- May 2020 Boston University School of Medicine 2<sup>nd</sup> COVID-19 Town Hall. Boston University School of Medicine *[invited seminar]*
- July 2020 Summative Assessments as a Form of Feedback. Boston University Remote Teaching and Learning Lightning Talks *[invited panelist]*
- July 2020 Cardiopulmonary System. Boston University School of Medicine, Summer Training as Research Scholars Program *[invited lecturer]*
- July 2020 A Meta Teaching and Learning Experience. Boston University School of Medicine, Summer Training as Research Scholars Program *[invited lecturer]*
- May 2021 Faculty Forum 2021, Exploring Innovations in Teaching & Technology at BU, Parallel Sessions 2: Reflections, Directions & Making Connections, What We Carry with Us from Hands-on Classes *[invited panelist]*

**National:**

*My national presentations have focused on my educational scholarship work to transform anatomical sciences curricula to be better integrated with other disciplines, and on Anatomy Academy.*

- April 2009 Using Diffusion Tensor Imaging (DTI) to Study Neuroanatomical Structures. Symposium on New Perspectives on Imaging Old Anatomy. American Association of Anatomists (AAA), New Orleans, LA. *[invited platform]*
- July 2010 Localization of the Superior Cervical Ganglion for Targeted Anesthetic Blockade. American Association of Clinical Anatomists (AACA), Honolulu, HI *[platform]*
- July 2011 Statistical Mapping of the Cervical Sympathetic Chain. American Association of Clinical Anatomists (AACA), Columbus, OH *[platform]*
- March 2012 Integration of PBL Cases into Gross Anatomy Laboratory Experiences Followed by a Modified TBL Formative Assessment: Pedagogy Using the Best of Both Worlds. American Association of Anatomists (AAA), San Diego, CA *[platform]*
- April 2013 "Getting a Piece of the Clinical Research Pie" - How and Why Translational Research Should Matter to You, and Where to Start. American Association of Anatomists (AAA), Boston, MA *[invited platform]*
- April 2013 Extreme makeover - Anatomy Edition: How a Paradigm Shift in Pedagogy Helped Shape Anatomy into an Essential Clinical Science. American Association of Anatomists (AAA), Boston, MA *[invited platform]*
- April 2013 Anatomy Academy Exposes Undergraduate and Medical Students to All ACGME Core Competencies through an Experiential Learning Environment. American Association of Anatomists (AAA), Boston, MA *[platform]*
- May 2013 Extreme Makeover - Anatomy Edition: How a Paradigm Shift in Pedagogy Re-Built and Re-Tooled Anatomy into an Essential Clinical Science at a Medical School and Undergraduate Institution. Human Anatomy and Physiology Society (HAPS), Las Vegas, NV *[invited platform]*
- November 2013 Re-inventing Your Career Paradigm to Capitalize on Curriculum Reform. Seminar Series. Baylor College of Dentistry, Department of Biomedical Sciences, Dallas, TX *[invited seminar]*
- April 2014 Necessity is the Mother of Educational Invention: A Journey of Discovering and Developing Electronic Pedagogical Tools for Gross Anatomy and Histology. American Association of Anatomists (AAA), San Diego, CA *invited [plenary]*
- April 2014 What Every Young Investigator Needs to Know About Establishing a Basic or Clinical Science Research Program and Where to Get Help. American Association of Anatomists (AAA), San Diego, CA *[platform]*
- May 2014 How to Establish a Service-Learning Program in the Local Community to Augment Your Classroom Curriculum Objectives: The Anatomy Academy Model. Human Anatomy and Physiology Society (HAPS), Jacksonville, FL *[faculty development workshop]*
- May 2014 Who Is the Teacher and Who Is the Student? The Dual Service- And Engaged-Learning Pedagogical Model in Anatomy Academy. Human Anatomy and Physiology Society (HAPS), Jacksonville, FL *[platform]*
- October 2015 Rigor, Relationships and Relevance: The dual service- and engaged-learning model of Anatomy Academy. American Association of Clinical Anatomists Regional Meeting 2015, Salt Lake City, UT *[invited faculty development workshop]*
- November 2015 The New Anatomy in Teaching, Service, and Research. Series on Full Circle Mentoring, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA *[invited seminar]*
- November 2015 Wake up! - Engaging verbal & nonverbal 5th grade students at the inclusive Anatomy Academy. Current Trends in Autism (CTIA), Boston, MA *[invited platform]*
- July 2017 Finding Your Value Added through Mentoring. American Association of Clinical Anatomists (AACA), Career Development Committee Symposium, Minneapolis, MN *[invited plenary]*

- October 2017 The Uncertainty Principle of Self-directed Learning and a TA Training Program in Response. American Association of Clinical Anatomists (AACA), Regional Meeting, Mesa, AZ *[invited plenary]*
- November 2017 Research, Teaching, and Service Aren't Just for Faculty: Mentoring Students to Become Life-Long Learners. Creighton University School of Medicine, Omaha, NE *[invited seminar]*
- November 2018 Anatomy Academy: Teaching Life-Long Learning through Community Engagement. Indiana University School of Medicine, Indianapolis, IN *[invited seminar]*
- June 2019 Engaging verbal and nonverbal autism spectrum students in the inspired learning environment of Anatomy Academy. BYU Latter-day Saint Educators Society Conference, Provo, UT *[platform]*
- January 2021 Tool Time: Choosing the Right Pedagogy for the Job. Charles R. Drew University College of Medicine, Education Retreat for curriculum planning, Los Angeles, CA *[invited keynote address]*
- October 2021 Inclusive Education and Classroom Engagement are the Same Thing. Philosophies and Best Practices for Safe and Engaged Learning Spaces Faculty Development Series, Des Moines University Medicine and Health Sciences University, Des Moines, IA *[invited keynote address and conference planning committee]*
- March 2022 Teachers are incredibly efficient at killing learning and that's why we could all use Better Learning Experiences. Stem Advocacy Institute, Boston, MA *[invited webinar]*
- March 2023 If It Ain't Broke, Why Fix It? Recognizing When Curriculum Change Is Necessary, and That You Might Be the One Standing in the Way. University of Kentucky School of Medicine, Louisville, KY *[invited talk]*

### **International:**

*My international presentations have focused on my educational scholarship work to transform anatomical sciences curricula and pedagogy to be better integrated with other disciplines, and on Anatomy Academy.*

- June 2008 Creating Interactive Curriculum Materials Using the Adobe Flash Professional Platform. International Association of Medical Science Educators (IAMSE), Salt Lake City, UT *[faculty development workshop]*
- June 2009 An Introduction to Using Adobe Flash CS3 for Creating Interactive Curriculum Materials. International Association of Medical Science Educators (IAMSE), Leiden, The Netherlands *[faculty development workshop]*
- June 2009 Using 3D Animations to Teach Difficult Anatomical Concepts in the Cadaver Lab. International Association of Medical Science Educators (IAMSE), Leiden, The Netherlands *[focus session]*
- June 2009 How to Maximize Anatomy Content in a System-Based Medical Curriculum. International Association of Medical Science Educators (IAMSE), Leiden, The Netherlands *[focus session]*
- June 2010 Strategies for Maximizing Teaching Experiences with Available Personnel to Improve Anatomy, Histology and Neuroanatomy Instruction to Pre-Clinical Medical and Dental Students. International Association of Medical Science Educators (IAMSE), New Orleans, LA *[focus session]*
- June 2012 Innovations in Anatomy Education: Does Innovative Technology Inspire Innovative Teaching or Does Innovative Teaching Drive the Need for Innovative Technology? The Chicken and Egg Scenario of Advancing Medical Education for Anatomy and Histology Pedagogy. International Association of Medical Science Educators (IAMSE), Portland, OR *[invited focus session]*

- July 2012 Visualization of Stellate Ganglion Local Neuronal Density Remodeling in Chronic MI. American Association of Clinical Anatomists (AACA), Grenada, West Indies *[platform]*
- June 2013 Anatomy Academy: A Model Program for Exposing Pre-Professional and Undergraduate Medical and Allied Health Sciences Students to the Six ACGME Core Competencies. International Association of Medical Science Educators (IAMSE), St. Andrews, Scotland *[focus session]*
- June 2016 Practical skills of video production and editing toward impactful flipped classroom content. International Association of Medical Science Educators (IAMSE), Leiden, The Netherlands *[invited faculty development workshop]*
- August 2017 Peering into the Iron Window of Alzheimer's Disease MR Imaging and Pathophysiology. European Pathology Congress, Milan, Italy *[invited platform]*
- March 2020 Creating a Virtual Exam using Complete Anatomy. 3D4Medical from Elsevier, Dublin, Ireland *[invited webinar; >200 attendees]*
- April 2020 Minding the Knowing-Doing Gap: Why Neuroscience Research and Communication Matters to Evidence-Based Education. American Association for Anatomy, San Diego, CA *[moderated hybrid symposium, conference cancelled due to COVID-19, but session still accepted for publication]*
- April 2020 How Re-thinking and Re-designing Anatomy Instruction Into the Online Space Can Lead to Better Classroom and Cadaver Lab Learning Experiences. International Association of Medical Science Educators (IAMSE), #IAMSECafe via Zoom *[invited webinar; reached max 100 attendees]*
- May 2020 Evolving Anatomical Education During the COVID Pandemic. International Association of Medical Science Educators (IAMSE), #IAMSECafe via Zoom *[invited webinar panel with colleagues from Eastern Virginia Medical School; reached over 200 attendees]*
- December 2020 Service-learning Expands the Learning Environment from Classroom to Community: An Example in Anatomy Academy. Australian and New Zealand Association of Clinical Anatomists (ANZACA) conference via Zoom *[invited plenary speaker; reached over 100 attendees]*
- January 2021 Best Practices for Mentoring with and Eye and Ear Toward Diversity, Equity, Inclusion, and Justice. International Association of Medical Science Educators (IAMSE), #IAMSECafe via Zoom *[invited webinar panel with colleagues and students from University of Cincinnati School of Medicine; reached nearly 100 attendees]*
- March 2021 STEM-E Interviews Dr. Jonathan Wisco. STEM-E Youth Career Development Program, <https://www.steme.org>. *[invited webinar; reached over 100 attendees]*
- May 2021 Building Bridges Between Diverse Programs. International Association of Medical Science Educators (IAMSE), #IAMSECafe via Zoom *[invited webinar panel with colleagues from Ferris State University, Texas A&M University; reached over 75 attendees]*
- May 2021 STEM·E Talks: Medicine. STEM-E Youth Career Development Program, <https://www.steme.org>. *[invited webinar; reached over 100 attendees]*
- Sep 2021 How COVID-19 transformed online teaching and learning: Or did it? International Association of Medical Science Educators (IAMSE), Webcast Audio Seminar *[invited webinar panel with colleagues from Carle Illinois College of Medicine, and Norwich Medical School, University of East Anglia; reached 200 attendees]*
- November 2021 Trends and Issues Facing Health Professions Educators. Association for Educational Communications and Technology (ACET), Education in the Health Professions–Special Interest Group (EDHP–SIG). *[invited panel with colleagues from the American Association of Colleges of Nursing (AACN), American Association of Colleges of Pharmacy (AACP), Association of American Medical Colleges (AAMC)]*

April 2022	Personal Statements for Health Sciences Professional School: Admissions Committees Want to Hear Your Story. <i>[invited plenary speaker for the American Association for Anatomy (AAA)]</i>
June 2022	The sum of our voices: toward achieving diversity, equity, and inclusion in the AACA. <i>[invited panel for the American Association of Clinical Anatomists]</i>
March 2023	Curriculum Refresh. International Association of Medical Science Educators (IAMSE), #IAMSECafe via Zoom <i>[invited webinar; reached over 100 attendees]</i>
May 2023	How Has Digital Education Impacted How We Learn, Teach, & Research? Strategies Spotlight: Digital Education. Silverchair. <i>[invited panel with colleague from American Academy of Orthopaedic Surgeons (AAOS)]</i>
June 2023	Leveraging Technology to Expand Anatomical Sciences Pedagogical Possibilities and Enhance Cadaver and Microscopy Lab Experiences. ERASMUS+ Meetup <i>[invited speaker]</i>
June 2023	Inclusive Feedback Spaces That Promote Reflection, Learning, and Productivity. Developing and Elevating Leaders with Tools for Advancement (DELTA), American Association for Anatomy (AAA) <i>[invited speaker; 1 of 10 and Mentors for 20 Fellows]</i>

### Bibliography:

*Publications in the areas of basic science, applied science, and medical education throughout my career take the form of multiple types of creative contributions. In addition to the conventional peer-reviewed paper, and conference abstract, I have also published electronic materials available on YouTube and through websites (i.e. Amirsys, which is now owned by Elsevier). My YouTube channel, “The Handy Anatomist” focuses on anatomical and physiological sciences flipped classroom content. They are used primarily by Brigham Young University students, but we have a close following by many students around the country and the world. The chapters I wrote for AnatomyOne comprise approximately 20% of the entire electronic resource, which caters to students and faculty who use regional and/or systemic approaches to learning anatomy. Please note that most all of my publications in the various forms, especially the conference abstracts, have been in collaboration with pre-professional and professional students.*

Note: Throughout this biographical sketch, *graduate student authors are in italics* and undergraduate student authors are underlined

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1. **Wisco JJ**, Matles H, Berrigan D. Genetic and environmental influences on walking speed in *Drosophila melanogaster*. *Ecological Entomology* 1997; 22:483-486.
2. Tuch DS, **Wisco JJ**, Khachaturian MH, Ekstrom LB, Kotter R, Vanduffel W. Q-Ball imaging of Macaque white matter architecture. *Philos Trans R Soc Lond B Biol Sci*. 2005; 360(1457):869-879.
3. Tuch DS, Salat DH, **Wisco JJ**, Zaleta AK, Hevelone ND, Rosas HD. Choice reaction time performance correlates with diffusion anisotropy in white matter pathways supporting visuospatial attention. *PNAS* 2005; 102(34):12212-12217.
4. Rosand J, Muzikansky A, Kumar A, **Wisco JJ**, Smith EE, Betensky RA, Greenberg SM. Spatial clustering of hemorrhages in probable cerebral amyloid angiopathy. *Ann Neurol* 2005; 58(3):459-462.
5. Benner T, **Wisco JJ**, van der Kouwe A, Fischl B, Vangel M, Hochberg FH, Sorensen AG. Comparison of Manual and Automatic Slice Positioning of Brain MR Images. *Radiology* 2006; 239(1):246-254.
6. *Khachaturian MH*, **Wisco JJ**, Tuch DS. Boosting the sampling efficiency of q-ball imaging using multiple wavevector fusion. *Mag Res Med* 2007; 57(2):289-296.
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8. **Wisco JJ**, Kuperberg G, Manoach D, Quinn BT, Busa E, Fischl B, Heckers S, Sorensen AG. Abnormal cortical folding patterns within Broca's area in schizophrenia: Evidence from structural MRI. *Schizophr Res* 2007; 94:317-327. PMCID: PMC2034662.
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10. **Wisco JJ**, Killiany RJ, Guttman CRG, Warfield SK, Moss MB, Rosene DL. An MRI study of age-related white and gray matter volume changes in the rhesus monkey. *Neurobiol Aging* 2008; 29:1563-1575. PMCID: PMC2605721.
11. **Wisco JJ**, Rosene DL, Killiany RJ, Moss MB, Warfield SK, Egorova S, Wu Y, Liptak Z, Warner J, Guttman CRG. A rhesus monkey reference label atlas for Template Driven Segmentation (TDS). *J Med Primatol* 2008; 37(5):250-260. PMCID: PMC2724263.
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13. Hyare H, **Wisco JJ\*** Alusi G, Cohen M, Nabili V, Abemayor E, Kirsch CFE. The anatomy of nasopharyngeal carcinoma spread through the pharyngobasilar fascia to the trigeminal mandibular nerve on 1.5 Tesla MRI. *Surg Radiol Anat* 2010;32(10):937-944. \*Corresponding author
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15. Mendelsohn AH, *DeConde A*, Lambert HW, *Dodson SC, Daney BT*, Stark ME, Berke GS, **Wisco JJ**. Cervical variations of the phrenic nerve. *Laryngoscope* 2011; 121(9):1920-1923.
16. **Wisco JJ**, Payne S, Kim S, Stark ME. Creation of a video-based learning module of extraocular muscles' structure and function. *Med Sci Edu* 2011; 21(3S): 264-265. (invited paper)
17. **Wisco JJ**, Payne S, Stark ME, Kim S. Video-based Extraocular Muscles Learning Module. *MedEdPORTAL*; 2011. Available from: [www.mededportal.org/publication/9031](http://www.mededportal.org/publication/9031).
18. **Wisco JJ**, Payne S, Stark ME. Creation of an Interactive Learning Module of 3D Virtual Osteological Structures. *Med Sci Edu* 2012; 22(4): 208-209.
19. **Wisco JJ**, Stark ME, *Safir I*, Rahman S. A heat map of superior cervical ganglion location relative to the common carotid artery bifurcation. *Anesthesia and Analgesia* 2012 Feb;114(2):462-465.
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22. Stark ME, *Safir I*, **Wisco JJ**. Probabilistic Mapping of the Cervical Sympathetic Trunk Ganglia. *Auton Neurosci*. 2014 Apr;181:79-84.
23. **Wisco JJ**, Thakur S, Stark ME. Exposure to ACGME core competencies through mentored research. *J Med Ed Curr Dev* 2014;1 29-39 doi:10.4137/JMECD.S17498.
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26. *Mason NL, Christiansen M, Wisco JJ.* 3D reconstruction and heat map of porcine recurrent laryngeal nerve anatomy: branching and spatial location. *Italian Journal of Anatomy and Embryology.* 2015;120(3):184-91.
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29. *Ascanio J, Schmalz N, Anderson DC, Zibetti K, Wilkes D, Gamboa JE, Vogelsang D, Stark ME, Wisco JJ.* Shared distal insertion of the gluteus medius and piriformis muscles and implications for rehabilitation exercises. *MOJ Anat & Physiol* 2017; 3(2): 00089. DOI: 10.15406/mojap.2017.03.00089.
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44. *Araujo AG, Park D, Steed KS, Aijijola OA, Shivkumar K, Mahajan A, Fishbein M, Hageman N, Stark ME, Wisco JJ*. An Assessment of Stellate Ganglion Neuronal Remodeling in Association with Cardiovascular Disease. *ISCIENCE-D-20-00399*. 2020; Available at SSRN: <https://ssrn.com/abstract=3564981>.
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48. *Lin D, Bunch B, Zuim Dantas De Souza R, Chen D, Zhou J, Zumwalt A, Wisco JJ*. Effectiveness of Pedagogical Tools for Teaching Medical Gross Anatomy During the Covid-19 Pandemic. *Med Sci Edu* 2022 Feb 24;1-12. doi: 10.1007/s40670-022-01524-x.
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59. *Filimonov A, Gates A, Allos AN, Billings HJ, Goldina A, Wisco JJ*. A Call to Action for Improving LGBTQIA2S+ Inclusive Policies and Practices in Educating Science and Medical Professionals. *Med Sci Edu* 2023; <https://doi.org/10.1007/s40670-023-01797-w>.
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#### Submitted Original, Peer Reviewed Articles:

1. Filimonov AK, Rivera E, Gates AR, Allos AN, Goldina A, **Wisco JJ**. Grounded Theory Thematic Meta-Analysis: At the Intersection of Narrative Inquiry, Phenomenology, and Ethnography with Published Literature Serving as “Voices” of Data. *Med Sci Edu* 2023; submitted.
2. Yang R, Nazaran A; Hageman N, Fefferman A, Bangerter NK, Park D, Denis GV Heaphy C; **Wisco JJ**. Nearest Neighbor Density Weighted by Size Algorithm for Quantification of Cellular Distribution on Histopathology Sections. *Journal of Pathology* 2023; submitted.

3. Gamboa JE, Lin DC, Miller KD, Swearingen JV, Sanders L, Dorius G, Morton DA, Zdilla M, Lambert HW, **Wisco JJ**. The transverse extension of the ulnar collateral ligament and implications for joint stability and surgical rehabilitation. *AJSM* 2023; submitted.
4. *Jensen R, Critchfield-Jain I, Duval J*, Kudlacek J, Read CC, Banner E, Steed KS, Wilson-Ashworth H, Lassetter J, Raye G, Seastrand G, Morton DA, **Wisco JJ**. Wake Up! Engaging Verbal and Nonverbal Autism Spectrum Elementary School Students in the Anatomy Academy Service-learning Environment. *J Autism Dev Disord*; submitted
5. *Rukavina NA, Baum M, Robinson R*, **Wisco JJ**. Parietal Cell Distribution Informs Gastric Bypass Procedure. *Clin Anat* 2022; submitted
6. Lundgreen-Mason N, Immonen J, Ciccotelli J, Snow E, Wines K, Kim S, Picha KJ, Stiver M, **Wisco JJ**, Richter S. Anatomical Outreach is Within Reach: Contemporary and Diverse Approaches. 2022 [under review]
7. Ottesen TD, Davis KC, Hobbs LK, Muncy NM, *Stevens NM, Anderson M, Johnson P, Doxey CR, Richter K, Wang H, Hartley R*, Kirwan CB, **Wisco JJ**. Differences in Chemo-signaling Compound-Evoked Brain Activity in Male and Female Young Adults: A Pilot Study in the Role of Sexual Dimorphism in Olfactory Chemo-Signaling 2023; in preparation.
8. *Crum AB, Hutchinson B, Steed KS*, Vinters HV, Brown MD, Steffensen SC, **Wisco JJ**. Co-localization of aquaporin-4 with amyloid beta plaques in alzheimer's disease. *ADAD* 2022; in preparation.
9. *Nguyen SE, Hutchinson B, Gonzalez AL, Nguyen JL*, Golightly T, **Wisco JJ**. Fair or Unfair? Part 1: Emotional Maturity. *J Higher Ed* 2022; in preparation.
10. *Nguyen SE, Doxey CR, Gonzalez AL*, Kirwan CB, **Wisco JJ**. Fair or Unfair? Part 2: Emotional Maturity. *J Higher Ed* 2022; in preparation.

#### Web Publications and Videos:

1. BYU Physiology TA's YouTube Playlist  
<https://www.youtube.com/channel/UCPe3bfqOVvWGAermIiuA0Rg>
2. The Handy Anatomist, DigitalAnatomy YouTube Playlist  
[https://www.youtube.com/channel/UC\\_MraF\\_NV0OknNt7KgztqGQ](https://www.youtube.com/channel/UC_MraF_NV0OknNt7KgztqGQ)
3. The Handy Anatomist, TikTok Channel  
<https://www.tiktok.com/@thehandyanatomist?lang=en>

#### Case Reports, Reviews, Chapters, and Editorials:

1. *Martin RM, Vyas NM*, Sedlmayr JC, **Wisco JJ**. Bilateral variation of subclavius muscle resembling subclavius posticus. *Surg Radiol Anat* 2008; 30:171-174.
2. Stark ME, *Wu B, Bluth B*, **Wisco JJ**. Bilateral Accessory Cleidohyoid in a Human Cadaver. *IJAV* 2009; 2:122-123.
3. *Bluth B, Wu B*, Stark ME, **Wisco JJ**. Variant of the extensor pollicis tertius: a case report on a unique extensor muscle to the thumb. *Anat Sci Int* 2010 (DOI 10.1007/s12565-010-0074-6).
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#### Letters to the Editor:

1. Lin DC, Baribeau V, Wisco JJ, Mitchell JD. Integrating a Cadaver Review Session into the Existing Regional Anesthesia Training for Anesthesiology Residents: An Initial Experience. *Med Sci Educ*. 2022 Apr 26;32(3):755. doi: 10.1007/s40670-022-01561-6. PMID: 35818619; PMCID: PMC9270541.

#### Proceedings of Meetings and Invited Papers:

1. Rosene DL, **Wisco JJ**, Killiany RJ, Duryea B, Waldron H, Moss MB. Experimental hypertension results in loss of white matter but not gray matter. An MRI study in the rhesus monkey. Spring Brain Conference Abstr 1999. (poster)
2. **Wisco JJ**, Rosene DL, Killiany RJ, Waldron H, Moss MB. Stereological point counting of magnetic resonance images (MRI) of the brain in a longitudinal study indicate a loss of white matter volume in a non-human primate model of cerebrovascular disease. Society for Neuroscience (SfN) Abstr 1999;446.1. (poster)
3. **Wisco JJ**, Cruz L, Urbanc B, Buldyrev V, Stanley HE, Blatt GJ, Kemper TL, Rosene DL, Moss MB. A novel method to quantify the spatial relationship of activated microglia to white and gray matter in a non-human primate model of cerebrovascular disease. Society for Neuroscience (SfN) Abstr 2000;669.2. (poster)
4. **Wisco JJ**, Guttmann CRG, Warfield SK, Wells III WM, Killiany RJ, Rosene DL, Moss MB. An MRI investigation of age-related structural changes in the rhesus monkey brain. Society for Neuroscience (SfN) Abstr 2001;550.15. (poster)
5. Rosene DL, Leubke JI, **Wisco JJ**, Killiany RJ, Moss MB. White matter changes in aging monkeys: MRI and evoked potential findings. Spring Brain Conference Abstr 2002. (platform talk)
6. Benner T, **Wisco JJ**, van der Kouwe A, Fischl B, Sorensen AG. Accuracy and repeatability of automatic slice positioning compared with manual slice positioning. International Society for Magnetic Resonance in Medicine (ISMRM) Abstr 2004. (poster)
7. Ziyen U, **Wisco JJ**, Tuch DS. Hierarchical Segmentation of Thalamic Nuclei from DTI Using Spectral Clustering. International Society for Magnetic Resonance in Medicine (ISMRM) Abstr 2005. (platform talk)
8. **Wisco JJ**, Busa E, Quinn BT, Heckers S, Fischl B, Sorensen AG. Spherical registration distortion and thalamic volume in schizophrenia. International Society for Magnetic Resonance in Medicine (ISMRM) Abstr 2005. (poster)
9. Hiroki M, Singhal AB, Benner T, Ay H, Zhu M, **Wisco JJ**, Pratt JS, Sorensen AG. Severe linear hyperintensity objects in the cerebral white matter reflect the cause of hypertensive intracerebral hemorrhage. *Stroke Abstr* 2006;37(2):723. (poster)

10. Kirsch C, **Wisco JJ**, Sedlmayr JC. The multiple insertions of the temporalis muscle: anatomic, radiographic and clinical considerations. American Society of Neuroradiology (ASNR) Abstr 2007. (platform presentation)
11. Sedlmayr JC, **Wisco JJ**. Reassessment of the functional significance of the lesser trochanter. American Association of Clinical Anatomists (AACA). Clin Anat 2007;20:713-737. (poster)
12. **Wisco JJ**, Rock J, Payne S, Metten S. Creating interactive curriculum materials using the Adobe Flash Professional platform. International Association of Medical Science Educators (IAMSE) Abstr 2008. (workshop)
13. Payne S, Rock J, Stark ME, **Wisco JJ**, Metten S. An Introduction to Using Adobe Flash CS3 for Creating Interactive Curriculum Materials. International Association of Medical Science Educators (IAMSE) Abstr 2009. (workshop)
14. **Wisco JJ**, Payne S, Rock J, Stark ME, Metten S. Using 3D Animations to Teach Difficult Anatomical Concepts in the Cadaver Lab. International Association of Medical Science Educators (IAMSE) Abstr 2009. (focus session)
15. Metten S, Stark ME, **Wisco JJ**. How to Maximize Anatomy Content in a System-Based Medical Curriculum. International Association of Medical Science Educators (IAMSE) Abstr 2009. (focus session)
16. *Lattin D*, **Wisco JJ**, Sayre J, Chhetri D, Kirsch CFE. Radiographic and Anatomic Evaluation of Eagle's Syndrome Using 3-D Computed Axial Tomography for Evaluation of the Elongated Styloid Process and Stylohyoid Ligament in Neutral and Head Turned Positions. David Geffen School of Medicine at UCLA, Josiah Brown Short-term Training Program presentation 2009. (poster)
17. *Ortiz J*, *Hageman N*, Dong H, Salin A, Salin M, Stark ME, Vinters HV, Toga AW, **Wisco JJ**. Reducing Uncertainty in Estimates of Nerve Fiber Orientation from Diffusion Tensor MR Imaging by Comparing Mapped White Matter Fibers in Paired Histological Sections. David Geffen School of Medicine at UCLA, Josiah Brown Short-term Training Program presentation 2009. (poster)
18. *Safir I*, Salin M, Salin A, **Wisco JJ**, Stark ME. A Cadaveric Study of the Cervical Sympathetic Chain and Ganglia: Potential Clinical Applications. David Geffen School of Medicine at UCLA, Josiah Brown Short-term Training Program presentation 2009. (poster)
19. *Lattin D*, **Wisco JJ**, Sayre J, Chhetri D, Kirsch CFE. Radiographic and Anatomic Evaluation of Eagle's Syndrome Using 3-D Computed Axial Tomography for Evaluation of the Elongated Styloid Process and Stylohyoid Ligament in Neutral and Head Turned Positions. The Western Neuroradiological Society (WNRS) Abstr 2009. (platform talk, *award winner*, qualifying for ASNR presentation)
20. **Wisco JJ**. Using Diffusion Tensor Imaging (DTI) to Study Neuroanatomical Structures. Symposium on New Perspectives on Imaging Old Anatomy. American Association of Anatomists (AAA). FASEB J April 22, 2009 23:70.1 (invited platform presentation)
21. *Ortiz J*, *Hageman N*, Salin A, Salin M, Dong H, Stark ME, Vinters HV, Toga AW, **Wisco JJ**. Histological validation of the diffusion tensor: feasibility in human brain tissue. American Association of Anatomists (AAA). FASEB J April 6, 2010 24:642.2 (poster)
22. **Wisco JJ**, Morton DA. Strategies for maximizing teaching experiences with available personnel to improve Anatomy, Histology and Neuroanatomy instruction to pre-clinical Medical and Dental students. International Association of Medical Science Educators (IAMSE) Abstr 2010. (focus session)
23. Cantelmi D, **Wisco JJ**, Davies JC, Sedlmayr JC, Agur A. Innervation of temporalis muscle: a three-dimensional study. American Association of Clinical Anatomists (AACA). Clin Anat 2010;23:1005-1040 (platform presentation)
24. **Wisco JJ**, Stark ME, Rahman S. Localization of the superior cervical ganglion for targeted anesthetic blockade. American Association of Clinical Anatomists (AACA). Clin Anat 2010;23:1005-1040 (platform presentation)

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26. *Wisco JJ, Stark ME, Rahman S.* Localization of the superior cervical ganglion: anatomical landmarks to facilitate its targeted blockade. American Society of Regional Anesthesia and Pain Medicine (ASRA) Abstr 2010. (poster)
27. *Lerner S, Rabedeaux P, Wimmers P, Byus CV, Wisco JJ.* Medical students' perceptions of approaches to anatomy education: Prosection vs. Dissection. Research Day, David Geffen School of Medicine at UCLA Abstr 2011. (poster)
28. *Mendelsohn AH, DeConde AS, Lambert HW, Dodson SC, Daney BT, Stark ME, Berke GS, Wisco JJ.* Cervical variation of the phrenic nerve. Transactions of the American Laryngological Association (ALA) Abstr 2011. (platform presentation)
29. *Hageman NS, Wisco JJ, Toga AW.* A Comparison of Pre- Versus Post-Perfusion DTI Tractography in Cadaveric Brain Tissue. Human Brain Mapping (HBM) Abstr 2011. (poster)
30. *Wisco JJ, Cantelmi D, Davies JC, Sedlmayr JC, Agur A.* Temporalis muscle innervation patterns are generally conserved across subjects. American Association of Anatomists (AAA). FASEB J March 17, 2011 25:872.4 (poster)
31. *Wisco JJ, Rabedeaux P, Lerner S, Byus C, Wimmers PF.* Medical student perceptions of the value of anatomy knowledge and instructional methodologies toward gaining confidence in clinical skills. American Association of Anatomists (AAA). FASEB J March 17, 2011 25:494.2 (poster)
32. *Korin TL, Stark ME, Wisco JJ.* Student Perceptions of an Integrated Curriculum: The Merging of Anatomy and Problem-based Learning. Western Group on Educational Affairs – Association of American Medical Colleges (WGEA – AAMC) Abstr 2011 (poster, *award winner*).
33. *Chang Y, Cantelmi D, Wisco JJ, Davies JC, Sedlmayr JC, Agur A.* Segmental temporalis transposition – correlation with intramuscular innervation. American Association of Clinical Anatomists (AACA). Clin Anat 2011;24:1016-1042 (platform presentation)
34. *Safir I, Wisco JJ, Stark ME.* Statistical mapping of the cervical sympathetic chain. American Association of Clinical Anatomists (AACA). Clin Anat 2011;24:1016-1042 (platform presentation)
35. *Wisco JJ, Payne S.* A virtual 3D model of extraocular muscles and eyeball movements. International Association of Medical Science Educators (IAMSE) Abstr 2011. (e-demo, *award winner*)
36. *Wisco JJ, Payne S, Stark ME.* Creation of a 3D skeleton. International Association of Medical Science Educators (IAMSE) Abstr 2011. (e-demo)
37. *Wisco JJ, Stark ME, Korin TL.* Medical student perceptions of integrating PBL and Gross Anatomy. International Association of Medical Science Educators (IAMSE) Abstr 2011. (poster)
38. *Lerner SD, Rabedeaux P, Wimmers P, Byus C, Wisco JJ.* Prosection versus dissection anatomy pedagogies: Which one prepares students better for gaining clinical skills confidence? International Association of Medical Science Educators (IAMSE) Abstr 2011. (poster)
39. *Rabedeaux P, Lerner SD, Wimmers P, Byus C, Wisco JJ.* Medical student feedback on participating in either a prosection only or a prosection followed by dissection anatomy curriculum. International Association of Medical Science Educators (IAMSE) Abstr 2011. (poster, *award finalist*)
40. *Wong A, Schettler SP, Hageman N, Dong H, Stark ME, Vinters HV, Toga AW, Wisco JJ.* Comparison of manual fiber vector sampling methodologies for Diffusion Tensor Imaging validation. David Geffen School of Medicine at UCLA, Josiah Brown Short-term Training Program presentation 2009. (poster)



41. *Honarpisheh H, Hwang KS, Biado K, Frew A, Vinters HV, Wisco JJ, Schettler SP, Apostolova LG.* Ex vivo pathologic validation of a surface based 7T MRI imaging system in Alzheimer's disease. Society for Neuroscience (SfN) Abstr 2011; 551.14. (poster)
42. *Ajijola OA, Wisco JJ, Lambert HW, Fox JN, Zhou W, Vaseghi M, Mahajan A, Stark ME, Fishbein MC, Shivkumar K.* Chronic myocardial infarction is associated with neural remodeling in human stellate ganglia. Heart Rhythm Society (HRS) Abstr. 2012. (platform presentation).
43. *Wisco JJ, Korin TL, Wimmers P, Stark ME.* Integration of PBL cases into gross anatomy laboratory experiences followed by a modified TBL formative assessment: pedagogy using the best of both worlds. American Association of Anatomists (AAA). FASEB J March 29, 2012 26:13.5 (platform presentation)
44. *Kippers V, Wisco JJ, Stark ME, Shaw P, Bee M.* Innovations in Anatomy Education: Does Innovative Technology Inspire Innovative Teaching or Does Innovative Teaching Drive the Need for Innovative Technology? The Chicken and Egg Scenario of Advancing Medical Education for Anatomy and Histology Pedagogy. International Association of Medical Science Educators (IAMSE). Abstr 2013 (focus group)
45. *Ortiz JR, Ajijola OA, Hageman N, Wisco JJ.* First in-human evidence of extra-cardiac neural remodeling after healed myocardial infarction. Research Day, David Geffen School of Medicine at UCLA Abstr 2012. (poster)
46. *Safir I, Wisco JJ, Stark ME.* Statistical mapping of detailed cervical sympathetic trunk anatomy. Research Day, David Geffen School of Medicine at UCLA Abstr 2012. (poster)
47. *Wisco JJ, Hageman NS, Ajijola OA, Lambert HW, Fox JN, Mahajan A, Fishbein MC, Shivkumar K, Stark ME.* Visualization of stellate ganglion local neuronal density remodeling in chronic MI. American Association of Clinical Anatomists (AACA). Clin Anat 2012;25:929-955 (platform presentation)
48. *Lambert HW, Fox JN, Atsas S, Dodson SC, Daney BT, Clarkson MJ, Wisco JJ.* How to expand translational research through use of cadaveric material: Current studies and results. American Association of Clinical Anatomists (AACA). Clin Anat 2012;25:929-955 (platform presentation)
49. *Clarke S, Wisco JJ, Stark ME, Morchi R, Coates W.* Impact of a comprehensive cadaver-based course in emergent bedside procedures for senior medical students. International Association of Medical Science Educators (IAMSE) Abstr 2012. (platform presentation and poster, *award winner*)
50. *Kavafyan T, Stone M, Bridgewater J, Dong H, Toga AW, Stark ME, Vinters HV, Wisco JJ.* Spatial distribution of non-heme iron, tau protein, and amyloid beta deposits in human temporal lobe and mouse hippocampal sections. UCLA Undergraduate Neuroscience Poster Day Abstr. 2012. (poster)
51. *Ojukwu K, Diaz M, Padilla J, Wisco JJ.* A necessary community collaboration: Anatomy Academy. Research Day, David Geffen School of Medicine at UCLA. Abstr 2013 (poster)
52. *Wisco JJ, Stark ME, Lambert HW.* "Getting a piece of the clinical research pie" - How and why translational research should matter to you, and where to start. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:444.2 (invited platform presentation)
53. *Wisco JJ, Stark ME.* Extreme makeover - Anatomy Edition: How a paradigm shift in pedagogy helped shape anatomy into an essential clinical science. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:314.3 (invited platform presentation)
54. *Wisco JJ, Diaz M, Padilla J, Ojukwu K.* Anatomy Academy exposes undergraduate and medical students to all ACGME core competencies through an experiential learning environment. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:19.2 (invited platform presentation)

55. Barzee B, Hansen MS, Salin A, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Histological validation of Alzheimer's disease and cerebrovascular disease imaging biomarkers. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:533.14 (poster)
56. Stone M, Bridgewater J, Kavafyan T, Steed K, Hansen MS, Salin A, Barzee B, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Visual correlation between iron, amyloid-beta, and tau depositions in the medial temporal lobe of Alzheimer's disease post-mortem brains. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:533.11 (poster)
57. Salin A, Hansen MS, Barzee B, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Histological validation of iron as an imaging biomarker for amyloid beta and tau depositions in Alzheimer's Disease. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:533.2 (poster)
58. Hansen MS, Salin A, Barzee B, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Using imaging biomarkers in the histological validation of Alzheimer's disease. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:533.3 (platform presentation)
59. Liu RM, Hageman N, Yang G, Cheng N, Chan K, Liu E, Ortiz J, Honarpisheh H, Wong A, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Anatomical validation of diffusion tensor imaging (DTI). American Association of Anatomists (AAA). FASEB J April 9, 2013 27:532.3 (poster)
60. Thang CK, Diaz M, Padilla J, Ojukwu K, Lee H, Schmalz N, **Wisco JJ**. Medical students applying newly learned anatomy knowledge as part of a mentoring and experiential learning environment with undergraduate and elementary students. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:961.8 (poster)
61. Lee H, Ojukwu K, Diaz M, Padilla J, Thang CK, **Wisco JJ**. Augmenting the learning of anatomy beyond the traditional laboratory experience through service teaching of elementary school students: A Medical Student Perspective. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:961.2 (poster)
62. Ojukwu K, Padilla J, Diaz M, **Wisco JJ**. Anatomy Academy promotes Systems-Based Practice among medical and undergraduate Students. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:960.16 (poster)
63. Steed K, Diaz M, Ojukwu K, Padilla J, Jenkins K, Lassetter J, **Wisco JJ**. Our success in translating Anatomy Academy, an intervention program for 5th and 6th grade students, from Los Angeles, CA to Salt Lake City, UT. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:961.1 (poster)
64. Banda AM, Steed K, Schmalz N, Ojukwu K, Diaz M, Padilla J, Thang CK, **Wisco JJ**. Effects of classroom structure on retention and implementation of knowledge in students. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:957.21 (poster)
65. Guzman C, Young S, Wimmers P, Byus CV, **Wisco JJ**. Medical Student Feedback on Participating in a Combined Anatomy Curriculum, 2010-2012. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:957.6 (poster)
66. Young S, Guzman C, Wimmers P, Byus CV, **Wisco JJ**. Medical Student Varying Effects of Prosection and Dissection Anatomy Curriculums on Confidence in the Clinical Setting. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:957.4 (poster)

67. **Wisco JJ**, Stark ME, Lambert HW. Translational anatomy research at medical and undergraduate universities. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:742.1 (poster)
68. Lambert HW, *Clarkson, MJ, Fox JN, Kennedy PM, Wisco JJ*. Using cadaveric material to impact translational research: From anatomy lab to the operating room. American Association of Anatomists (AAA). FASEB J April 9, 2013 27:444.1 (poster)
69. Chan KM, Schmalz NA, Choy K, Nguyen A, Pham TN, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Empirical development of a histological protocol for whole brain sectioning to characterize neuropathological patterns in human specimens FASEB J April 9, 2013 27:967.2 (poster)
70. **Wisco JJ**. Extreme Makeover - Anatomy Edition: How a paradigm shift in pedagogy re-built and re-tooled anatomy into an essential clinical science at a medical school and undergraduate institution. Human Anatomy and Physiology Society (HAPS) Abstr 2013. (invited platform presentation)
71. Ray G, Lassetter J, **Wisco JJ**, Seastrand G. Anatomy Academy: the impact on student nurses. ATI nurse educator summit, Las Vegas, Nevada 2013.
72. **Wisco JJ**, *Diaz M*, Schmalz N, *Steed KS, Jenkins K*, Morton D, Lassetter J. Anatomy Academy: A model program for exposing pre-professional and undergraduate medical and allied health sciences students to the six ACGME Core Competencies. International Association of Medical Science Educators (IAMSE) Abstr 2013. (focus group)
73. Choy K, Nguyen AD, Kavafyan T, Liu R, Nguyen AT, Liu E, Schmalz N, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Characterization of inflammatory responses to amyloid-beta deposits in the hippocampus. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (poster)
74. Gillespie M, Jorgensen A, Wilkes D, **Wisco JJ**. Staining technique for MicroScribe 3D digitizing of anterior cruciate ligament and calcaneal tendon. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (platform presentation)
75. *Miller R*, Bangerter N, *Park D, Stevens K, Ward S*, **Wisco JJ**. High resolution Magnetic Resonance Imaging (MRI) of the larynx in human and pig cadaveric specimens. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (poster)
76. Newey C, Seastrand JB, Barzee B, Vogelsang D, Gamboa J, Jorgensen A, Wilkes D, **Wisco JJ**. Three-dimensional mapping and virtual reconstruction of a parapharyngeal space nerve plexus. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (platform presentation and tech fair demo)
77. Nguyen AD, Choy K, Schmalz N, Ideta T, Nguyen AT, Liu R, Erica Liu, Tung S, Pham TN, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco, JJ**. The possible role of microglia in the development of microinfarcts. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (poster)
78. Zibetti K, Vogelsang D, Wilkes D, **Wisco JJ**. Three-dimensional characterization and mapping of gluteus medius muscle fibers. American Association of Clinical Anatomists (AACA). Clin Anat 2013;26:1036-1062 (poster)
79. *Babakchian S, Johanne S, Honarpisheh H, Hwang K, Biado K, Tung S*, Frew A, Alger J, **Wisco JJ**, Schettler S, Zarow C, Vinters HV, Thompson P, Apostolova L. The relationship between hippocampal atrophy and neuropathology markers: A 7T MRI study. Alzheimer's & Dementia 2013; 9(4):8-9. (poster)

80. *Van Tassell K, Lassetter JH, Wisco JJ, Brown LB.* The impact of Ohana MANA Challenge on children's diet and activity. A podium presentation at the Brigham Young University, College of Nursing's Scholarly Works Conference, Provo, UT. October 14, 2013
81. *Jenkins K, Wisco JJ, Lassetter JH, Williams M.* Anatomy Academy: The impact of school-aged children's participation in an anatomy- and physiology-based intervention. A podium presentation at the Brigham Young University, College of Nursing's Scholarly Works Conference, Provo, UT. October 14, 2013
82. *Nielsen JJ, Young BD, Ashton BG, Fronk CA, Holden G, Wisco JJ, Barrow JR, Roeder BL, Cook AD.* Optimization of decellularization processes for renal structures. Tissue Engineering & Regenerative Medicine International Society (TERMIS) Abstr 2013 (poster)
83. *Adhikari RD, Matias C, Nazaran A, Perkins K, Burt SR, Bangerter N, Watt RK, Wisco JJ.* Can iron be used as a diagnostic biomarker for Alzheimer's disease? BYU Gerontology Conference 2014 (poster)
84. *Adhikari RD, Matias C, Nazaran A, Perkins K, Burt SR, Bangerter N, Watt RK, Wisco JJ.* Can iron be used as a diagnostic biomarker for Alzheimer's disease? BYU Graduate student conference 2014 (poster)
85. *Gamboa J, Newey C, Seastrand J, Russell A, Vogelsang D, Wisco JJ.* Three-dimensional mapping and virtual reconstruction of a parapharyngeal space nerve plexus. Utah Conference on Undergraduate Research (UCUR) Abstr 2014 (poster)
86. *Peterson D, Vogelsang D, Wisco JJ.* Three-Dimensional modeling of facial nerve VII. Utah Conference on Undergraduate Research (UCUR) Abstr 2014 (poster)
87. *Gardiner B, Wisco JJ.* 3D Printing from MRI data: creating educational models for articulating morphological variance in neuroanatomy. Utah Conference on Undergraduate Research (UCUR) Abstr 2014 (poster)
88. *Vogelsang D, Clayton II C, Frampton SB, Ray G, Brown LB, Lassetter J, Wisco JJ.* Cooking Anatomy Academy: Healthy cooking intervention to raise obesity awareness in the polynesian community. Utah Conference on Undergraduate Research (UCUR) Abstr 2014 (platform presentation)
89. *Jorgensen A, Wisco JJ.* 3D mapping of cardiac nerves for improved cardiac ablation procedures in the treatment of cardiac arrhythmia. Utah Conference on Undergraduate Research (UCUR) Abstr 2014 (platform presentation)
90. *Wisco JJ.* Necessity is the mother of educational invention: A journey of discovering and developing electronic pedagogical tools for gross anatomy and histology. American Association of Anatomists (AAA). FASEB J April 2014 28:215.2 (invited plenary speaker)
91. *Jorgensen A, Wisco JJ.* 3D imaging of the muscle fibers of the supraspinatus for improved rotator cuff repair. American Association of Anatomists (AAA). FASEB J April 2014 28:923.9 (poster)
92. *Gillespie M, Jorgensen A, Wilkes D, Wisco JJ.* Tear analysis of the anterior cruciate ligament using a novel staining method. American Association of Anatomists (AAA). FASEB J April 2014 28:914.8 (poster)
93. *Vogelsang D, Clayton II C, Frampton SB, Ray G, Brown LB, Lassetter J, Wisco JJ.* Teaching healthy eating and cooking helps Polynesian and Pacific Islander participants make nutritious food choices. American Association of Anatomists (AAA). FASEB J April 2014 28:721.26 (poster)
94. *Peterson D, Vogelsang D, Wisco JJ.* Three-Dimensional modeling of facial nerve VII. American Association of Anatomists (AAA). FASEB J April 2014 28:726.3 (poster)

95. Gardiner B, Robison S, Wisco JJ. 3D printing from MRI data of stroke and Alzheimer's disease subjects: An educational model of neurologic disease. American Association of Anatomists (AAA). Abstr. 2014 FASEB J April 2014 28:728.4 (poster)
96. McCleve J, White E, Lassetter J, Ray G, Seastrand G, Steed K, Morton D, **Wisco JJ**, Wilson-Ashworth H. Anatomy Academy promotes the intellectual and professional development of undergraduate students through an experiential learning environment. Human Anatomy and Physiology Society (HAPS) Abstr 2014 (poster)
97. Mageno A, Tullis A, Steed K, McCleve J, White E, Lassetter J, Ray G, Seastrand G, Morton D, Wilson-Ashworth HA, **Wisco JJ**. Who is the teacher and who is the student? The dual service- and engaged-learning pedagogical model in Anatomy Academy. Human Anatomy and Physiology Society (HAPS) Abstr 2014 (platform presentation)
98. **Wisco JJ**, Steed K, Lassetter J, Ray G, Seastrand G, Morton D, Wilson-Ashworth HA. How to establish a service-learning program in the local community to augment your classroom curriculum objectives: The Anatomy Academy model. Human Anatomy and Physiology Society (HAPS) Abstr 2014 (workshop)
99. Jorgensen A, Gardiner B, Robison S, Lambert HW, Morton DA, **Wisco JJ**. Application of the Sihler's technique to expose cardiac plexus fibers. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
100. Peterson D, Vogelsang D, **Wisco JJ**. Three-dimensional modeling of the somatic facial nerve and its terminal branches. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
101. Gillespie M, Peterson D, Harvey J, Peterson K, Vogelsang D, Brown J, Wiseman B, Long B, Call Z, **Wisco JJ**. Choose your (anatomy lab) section wisely. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
102. Russell RA, Robison S, Vogelsang D, **Wisco JJ**. Anatomic and dynamic position MRI and 3D reconstructions of the ankle. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
103. Hainsworth NC, Gillespie M, **Wisco JJ**. Analyzing structural differences in quadriceps femoris tendon fibers using MicroScribe technology. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
104. Gamboa JE, **Wisco JJ**. Microarchitectural analysis of the ulnar collateral ligament to inform its reconstruction. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
105. Vogelsang D, Russell RA, **Wisco JJ**. MRI-safe device for holding ankle in measured, fixed, dynamic position. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
106. Avondet M, Jorgensen A, Gamboa J, Wisco JJ. MicroScribe 3D analysis of the proximal and distal attachments of the rotator cuff muscles. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
107. Clayton II CD, Edmunds KJ, Labinpuno VRN, Nixon AT, Dorius GT, Sanders L, Morton DA, **Wisco JJ**. Digital mapping of lingual nerve branches between the buccal surface of the sublingual gland and the mandibular gingiva. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)

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109. Call Z, Peterson D, Harvey J, Peterson K, Vogelsang D, Brown J, Wiseman B, Long B, Wisco JJ. Development of an anatomy practical assessment format that can be graded using Scantron technology. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (platform presentation)
110. Lambert HW, Kennedy PM, Whipp KP, Anderson ZV, Radow MK, Clarkson MJ, Fox JN, Wisco JJ. Expanding translational research and scholarly output through clinician and student involvement. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
111. Taylor MI, Wang H, Badal, Perkins JK, Park DJ, Kaggie J, Wisco JJ, Bangerter NK. Relaxometry and Contrast Optimization for Laryngeal Imaging at 3 Tesla. Proceedings of the International Society for Magnetic Resonance in Medicine (ISMRM) 22, Milan, Italy; 05/2014.
112. Nazaran A, Bangerter N, Perkins K, Park D, Vinters HV, **Wisco JJ**. MR relaxometry of short-T2 tissues using 3D ultra-short echo time MRI in ex vivo brain with known Braak VI taopathy. Society for Neuroscience (SFN) Abstr 2014 (poster)
113. Herrington BJ, Barzee B, Barlow S, Robison S, Hansen M, Salin A, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. The spatial relationship between iron, tangles, and plaques in the subiculum. Society for Neuroscience (SFN) Abstr 2014 (poster)
114. Adhikari RD, Burt SR, Bangerter NK, Watt RK, Vinters HV, Wisco JJ. Relaxation properties of iron-bound AD-associated proteins. Society for Neuroscience (SFN) Abstr 2014 (poster)
115. Barlow SH, Herrington BJ, Hansen M, Salin A, Barzee B, Steed K, Stone M, Bridgewater J, Kavafyan T, Stark ME, Dong H, Toga AW, Vinters HV, **Wisco JJ**. Spatial correlation between iron, amyloid plaques, and tau tangles in the entorhinal cortex. Society for Neuroscience (SFN) Abstr 2014 (poster)
116. **Wisco JJ**, Nazaran A, Vinters HV, Bangerter NK. Methodology for computing white matter nerve fiber orientation in human histological slices. Society for Neuroscience (SFN) Abstr 2014 (poster)
117. Gardiner B, Robison S, Wisco JJ. Customizing 3D printed models from MRI data: Creating educational anatomy models of neurologic disease. Society for Neuroscience (SFN) Abstr 2014 (poster)
118. Ray G, Lassetter JH, **Wisco JJ**, Wilson-Ashworth H. Anatomy Academy: Optimizing Health by Improving Student Nurse's abilities to Mentor, Empower and Teach Children in a Community Setting, Conference Proceedings of the Council for the Advancement of Nursing Science's 2014 State of the Science Congress on Nursing Research: Optimizing Health by Addressing Complexity, Washington, D.C., available at <http://www.nursingscience.org/assets/docs/2014%20council%20accepted%20submissions.pdf> Submission ID#48363
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121. Mason NL, Wisco JJ. 3D rendering of porcine recurrent laryngeal neuroanatomy. American Association of Anatomists (AAA) Abstr 2015 (poster)

122. Mason NL, Robison S, Benvie A, **Wisco JJ**. Use of high-resolution magnetic resonance imaging to reconstruct recurrent laryngeal nerve structure in 3D. American Association of Anatomists (AAA) Abstr 2015 (poster)
123. Steed KS, Wilson-Ashworth H, **Wisco JJ**. Anatomy Academy: a catalyst for personal growth and development in undergraduate preprofessional and medical students. American Association of Anatomists (AAA) Abstr 2015 (poster)
124. Avondet MR, Gray T, Jorgensen A, **Wisco JJ**. Analysis of rotator cuff muscle attachments in the late cocking and follow through phases of baseball pitching on cadaveric specimens. American Association of Clinical Anatomists (AACA) Abstr 2015 (poster)
125. Gamboa JE, Sanders L, Dorius G, Morton DA, **Wisco JJ**. Anatomical analysis of the ulnar collateral ligament in cadaveric specimens and implications for joint stability and surgical recovery. American Association of Clinical Anatomists (AACA) Abstr 2015 (oral presentation)
126. Gillespie M, Smith D, Hurd R, **Wisco JJ**. High-speed video capture of anterior cruciate ligament femoral avulsion. American Association of Clinical Anatomists (AACA) Abstr 2015 (poster)
127. Jorgensen A, Gardiner B, Hilton A, Lambert HW, **Wisco JJ**. MRI reconstruction and 3D print of coronary vessels to aid in coronary bypass preoperative teaching and preparation. American Association of Clinical Anatomists (AACA) Abstr 2015 (poster)
128. Steed KS, Wilson-Ashworth H, **Wisco JJ**. Anatomy Academy: A catalyst for personal growth and development in undergraduate pre-professional and medical students. International Association of Medical Science Educators (IAMSE) Abstr 2015 (poster)
129. **Wisco JJ**, Morton DA. Pedagogy and Skills for Producing Flipped Classroom and Just-in-Time Teaching Materials. International Association of Medical Science Educators (IAMSE) Abstr 2015 (pre-conference workshop)
130. Nazaran A, Bangarter NK, Lambert HW, **Wisco JJ**. Resolving normally indistinguishable tissue inhomogeneities using 3D cones ultra short echo time MRI. Alzheimer's Association International Conference (AAIC) Abstr 2015 (poster)
131. Adhikari RD, Burt SR, Bangarter NK, Watt RK, Vinters HV, **Wisco JJ**. Relaxation properties of iron-bound AD-associated proteins. Alzheimer's Association International Conference (AAIC) Abstr 2015 (poster)
132. **Wisco JJ**. Wake up! - Engaging verbal & nonverbal 5th grade students at the inclusive Anatomy Academy. Current Trends in Autism 2015. Boston, MA (invited platform presentation)
133. Nguyen SE, **Wisco JJ**. The effect of students' emotional maturity on their perception of test question fairness: An fMRI study. Utah Conference on Undergraduate Research (UCUR) Abstr 2016 (poster)
134. Ray G, Lassetter JH, **Wisco JJ**. Anatomy academy: The positive impact on student nurses, a poster presentation at ATI National Nurse Educators Summit, Nashville, TN. Abstr. 2016
135. Lassetter JH, Macintosh CI, Williams M, Ray G, Driessnack M, **Wisco JJ** (2016). Psychometric testing of self-efficacy & recall questionnaires for children. *Communicating Nursing Research Conference Proceedings*, 49, Portland, OR: Western Institute of Nursing, p. 290.
136. **Wisco JJ**, Cutler C, Morton DA. Practical skills of video production and editing toward impactful flipped classroom content. International Association of Medical Science Educators (IAMSE) Abstr 2016 (pre-conference workshop)
137. **Wisco JJ**, Steed KS, Morton DA. Riddle me this? - constructing effective multiple-choice questions. International Association of Medical Science Educators (IAMSE) Abstr 2016 (pre-conference workshop)

138. Nguyen SE, Nguyen JL, *Hutchinson B*, **Wisco JJ**. The relationship between emotional quotient (EQ) and perception of assessment fairness in pre-professional students. International Association of Medical Science Educators (IAMSE) Abstr 2016 (oral presentation)
139. Brennan TA, San Diego ESK, Rollins CT, Duran CE, Gray TH, Weeks JJ, Lambert HW, **Wisco JJ**. Digital Mapping of the Maxillary Division of the Trigeminal Nerve: The PPG Nerve Branches. American Association of Clinical Anatomists (AACA) Abstr 2016 (oral presentation)
140. Duran CE, San Diego ESK, Rollins CT, Brennan TA, Gray TH, Weeks JJ, Lambert HW, **Wisco JJ**. Digital Mapping of the Maxillary Division of the Trigeminal Nerve: The Greater and Lesser Palatine Nerve. American Association of Clinical Anatomists (AACA) Abstr 2016 (poster)
141. San Diego ESK, Rollins CT, Brennan TA, Duran CE, Gray TH, Weeks JJ, Lambert HW, **Wisco JJ**. Digital Mapping of the Maxillary Division of the Trigeminal Nerve: The Superior Alveolar Nerve Branches. American Association of Clinical Anatomists (AACA) Abstr 2016 (poster)
142. Gray TH, Cowley TE, Bair RJ, **Wisco JJ**. Rotator cuff muscle fiber directions on cadaveric specimens during phases of baseball pitching. American Association of Clinical Anatomists (AACA) Abstr 2016 (poster)
143. Nguyen SE, Doxey CR, *Hutchinson B*, Nielson AL, Nguyen JL, Golightly T, Kirwan CB, **Wisco JJ**. The Effect of Students' Emotional Maturity on Their Perception of Test Question Fairness: An fMRI and Focus Group Study. American Association of Clinical Anatomists (AACA) Abstr 2016 (poster)
144. Smith DT, Cook SL, Gillespie M, *Reynolds HC*, *Stevens KA*, **Wisco JJ**. High-speed video capture of anterior cruciate ligament tear. American Association of Clinical Anatomists (AACA) Abstr 2016 (poster)
145. **Wisco JJ**, Tanner K, *Wang H*, *Miller R*, *Kaggie J*, Robison S, Thomson S, Hunter E, Bangerter NK, Mason NL. Ex-vivo high-resolution MRI of the porcine larynx and segmentation of neurovascular structures. 14th Biennial Phonosurgery Symposium. Madison, WI. Abstr 2016 (oral presentation)
146. Hunter EJ, Thomson SL, **Wisco JJ**, Tanner K. National repository for laryngeal data. 14th Biennial Phonosurgery Symposium. Madison, WI. Abstr 2016 (oral presentation)
147. **Wisco JJ**, *Nazaran A*, Jeffs D, Heldt B, Kudlacek J, Lambert HW, Morton DA, Watt RK, Vinters HV, Bangerter NK. Using ultra-short echo time (UTE) MRI to visualize Alzheimer's and cerebrovascular disease pathophysiology. Society for Neuroscience (SfN) Abstr 2016 (poster)
148. *Nazaran A*, **Wisco JJ**, Bangerter NK. A novel method for automated cytoarchitectonic parcellation of the rhesus monkey neocortex. Society for Neuroscience (SfN) Abstr 2016 (poster)
149. *Poornejad N*, **Wisco JJ**, Roeder BL, Cook AD. Non-Invasive Structural Investigation of Renal Scaffold by Magnetic Resonance Imaging (MRI). American Institute of Chemical Engineers (AIChE) Abstr 2016 (poster)
150. Adams JS, Nelson H, Strong E, Klappa S, **Wisco JJ**. Doctor of Physical Therapy Student's Participation in Teaching Basic Science Concepts in the Community Outreach Program, Anatomy Academy. American Physical Therapy Association (APTA). Abstr 2016.
151. **Wisco JJ**, Cook SL, Gillespie MA, Stevens KA, *Reynolds HC*, *Hurd R*, Smith DT. High-speed Video Capture of Anterior Cruciate Ligament Tearing. Utah Athletic Trainers Association. Weber State University, Ogden, UT 2016 (invited seminar)
152. Smith DT, Cook SL, Gillespie MA, *Reynolds HC*, Stevens KA, **Wisco JJ**. High-speed Video Capture of Anterior Cruciate Ligament Tear. Biomedical Engineering Western Regional Conference. Brigham Young University, Provo, UT 2017



153. Jensen R, Nielson A, Klein C, Wisco JJ. Learning Environment Fostered by Student-Mentor Interactions. Utah Conference on Undergraduate Research (UCUR) Abstr 2017 (poster).
154. Nielson A, Jensen R, Klein C, Wisco JJ. Anatomy Academy: Helping Problem Students Engage in Learning. Utah Conference on Undergraduate Research (UCUR) Abstr 2017 (poster).
155. Unson M, Brown M, Muncy N, Bigler E, Wisco JJ. Thalamic Volume Changes in Child TBI Brains. Utah Conference on Undergraduate Research (UCUR) Abstr 2017 (poster).
156. Doughty H, Baradaran D, Wisco JJ. Perceptions of Eyeglasses and Cataract Surgery Among Inhabitants of Southern Ghana. Utah Conference on Undergraduate Research (UCUR) Abstr 2017 (poster).
157. Baradaran D, Doughty H, Wisco JJ, Page R. Perceived Value of Eye Care Services Among Inhabitants of Southern Ghana. Unite For Sight 14th annual Global Health & Innovation Conference, April 22-23 2017, New Haven, Connecticut.
158. Hilton A, Jorgensen A, Gardiner B, Robison S, Lambert HW, Morton DA, Wisco JJ. Visualization of Myelinated Cardiac Plexus Fibers in Heart Failure Using Sihler's Stain. American Association of Anatomists (AAA) FASEB J April 2017 31:585.8 (poster)
159. Carr ST, Trumbull A, Hutchinson BL, Dallon B, Harrison M, Gray H, Gibbs J, Eskildsen D, Kudlacek J, Heldt B, Clayton C, Wisco JJ, Bikman BT. Insulin alters brain lipid profile and mitochondrial function. American Society for Investigative Pathology (ASIP). FASEB J April 2017 31:976.9 (poster)
160. Read CC, Nguyen SE, Sanders LE, Dorius GT, Morton DA, Wisco JJ. Trained peer teachers have a better roadmap for improving learning environments using active learning strategies. Human Anatomy and Physiology Society (HAPS) Abstr 2017 (workshop)
161. Read CC, Nguyen SE, Sanders LE, Dorius GT, Morton DA, Wisco JJ. Peer Teachers Who Are Trained in Specific Active and Self-Directed Learning Strategies Have a Clearer Roadmap for Improving Learning Environments. International Association of Medical Science Educators (IAMSE) Abstr 2017 (poster).
162. Nielson A, Jensen R, Klein C, Wisco JJ. Learning Communication Skills Through Teaching in Anatomy Academy as Preparation for Addressing Patient Non-Compliance. International Association of Medical Science Educators (IAMSE) Abstr 2017 (poster).
163. Wisco JJ, Le TT, Morton DA. Developing Self-Directed Learning Strategies for the Classroom and Beyond. International Association of Medical Science Educators (IAMSE) Abstr 2017 (focus session).
164. Page TS, Bruya A, Wisco JJ. Assessment of Anatomical Variation of the Ulnar Collateral Ligament in Athletes. American Association of Clinical Anatomists (AACA) Abstr 2017 (oral presentation).
165. Hancock T, Wisco JJ. Learning Experiences Using Traditionally Embalmed Versus Plastinated Specimens in an Undergraduate Gross Anatomy Course. American Association of Clinical Anatomists (AACA) Abstr 2017 (poster).
166. Holley SL, Hill SL, Vance PK, Challyandra L, Katrikh AZ, Stark ME, Wisco JJ. Dissectional Investigation: Variations in Morphology of the Teres Minor Tendon and Muscle-Tendon Junction. American College of Surgeons (ACS) 2017 (poster).
167. Wisco JJ, Read CC, Nguyen SE, Sanders LE, Dorius GT, Steed KS, Hutchinson B, Morton DA. The uncertainty principle of self-directed learning and a TA training program in response. American Association of Clinical Anatomists (AACA) Regional Meeting Abstr. 2017 (breakout session).
168. Loitz J, Crosby S, Fudge S, Hooper C, Hurst K, Muniz M, Poelman S, Shellman E, Wisco JJ. Anatomical and physiological sciences combined with art provides a unique educational experience.

- American Association of Clinical Anatomists (AACA) Regional Meeting Abstr. 2017 (oral presentation).
169. Huggett, K, Sadik A, Saks N, Stein J, **Wisco JJ**. The IAMSE Medical Educator Fellowship: A novel, international program to foster educational scholarship. Association for Medical Education in Europe (AMEE) Abstr 2017. (poster)
  170. Hobbs LK, Stevens NM, Richter K, Anderson M, Johnson P, Muncy N, Doxey CR, Wang H, Hartley R, Davis KC, Ottesen T, Kirwan CB, Wisco JJ. Putative Pheromone Activated Brain Activity between Male and Female Young Adults. Society for Neuroscience (SfN) Abstr 2017;55.01. (poster)
  171. Unson M, Brown RM, Muncy N, Bigler E, Wisco JJ. Ventricular Volume Changes as a result of Severe TBI in Pediatric Patients. Society for Neuroscience (SfN) Abstr 2017;216.06. (poster)
  172. Steed KS, Barkdull K, Hancock T, Wisco JJ. Effects of oxidative stress on transgenic mice: An Alzheimer's disease behavioral model. Society for Neuroscience (SfN) Abstr 2017;357.08. (nanosymposium)
  173. Cottam CM, Cox AP, Burningham K, Tung S, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, Wisco JJ. Analysis of Tau, A-beta, and Iron stains in the Subiculum of the Hippocampus. Society for Neuroscience (SfN) Abstr 2017;672.25. (poster)
  174. Adhikari RD, Staudte R, Atmojo M, Mendoza M, Wang H, Watt RJ, Bangerter NK, Burt S, Wisco JJ. Effects of oxidative insult with rescue diets and T2 signal dropouts in the hippocampus. Society for Neuroscience (SfN) Abstr 2017;672.26. (poster)
  175. Cox AP, Cottam CM, Burningham K, Tung S, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, Wisco JJ. Amyloidosis, tauopathy, and microglial activation in the entorhinal cortex of alzheimer's disease versus frontotemporal dementia with cerebrovascular disease. Society for Neuroscience (SfN) Abstr 2017;672.27. (poster)
  176. Burningham K, Cox AP, Cottam CM, Tung S, Stone M, Bridgewater J, Kavafyan T, Steed K, Stark ME, Dong H, Toga AW, Vinters HV, Wisco JJ. Comparison of colocalization of non-heme iron with Ab and Tau throughout Braak progression of AD in CA1, subiculum, and entorhinal cortex. Society for Neuroscience (SfN) Abstr 2017;672.28. (poster)
  177. Lassetter JH, LeCheminant J, Anderson P, Peterson N, Ray G, **Wisco JJ**, Williams M, & Fitisemanu J. Native Hawaiian and Pacific Islanders' BMI and other health indicators. Western Institute of Nursing. Communicating Nursing Research Conference Proceedings, 2018:51, Portland, OR: Western Institute of Nursing.
  178. Tarbox G, Nazaran A, Bangerter N, Wisco JJ. Iron Deposition in Alzheimer's Dementia Hippocampus is Associated with Increased R2\* Values. International Society for Magnetic Resonance in Medicine (ISMRM) Abstr 2018. (poster)
  179. Malmgren LE, Smith DT, Read CC, Nguyen SE, Arrington DD, Brennan TA, Sullivan JA, Dawson DD, Day DC, Foulk CA, Gamble EM, Jenkins PR, Myers EJ, Nielson A, Stout RO, Tenney HA, Wayment A, Wisco JJ. Analyzing the Knowing-Doing Gap of Pedagogy Implementation by Near-Peer Pre-Professional Anatomy Lab Teachers. American Association of Anatomists (AAA) Abstr 2018. (poster)
  180. Nielson A, Butler G, Johnson D, Moeller B, Morris L, Weekes SB, Winterbottom A, Wisco JJ. Anatomy Academy: Establishing Meaningful Student-Teacher Relationships and Feedback to Enhance Learning. International Association of Medical Science Educators (IAMSE) Abstr 2018. (poster)

181. Reid T, Reid R, Wisco JJ, Seferovich HM, Darowski ES. Reviewing the Impact of Social Media and Mindfulness on Medical Student Wellness. International Association of Medical Science Educators (IAMSE) Abstr 2018. (poster)
182. Steed KS, Nielson A, Jensen R, Klein C, Wisco JJ. Mentorship Through Anatomy Academy Contributes to Pre-Professional and Professional Medical Science Students' Interpersonal and Communication Skills Training. International Association of Medical Science Educators (IAMSE) Abstr 2018. (poster)
183. Weekes SB, Read CC, Nguyen SE, Nielson A, Butler G, Moeller B, Morris L, Winterbottom A, Wisco JJ. The Effect of Flipped Classroom Media Resources on Peer Instruction in the Gross Anatomy Learning Experience. International Association of Medical Science Educators (IAMSE) Abstr 2018. (poster)
184. Crum AB, Hutchinson BL, Steed KS, Black E, Pope D, Cox AP, Wisco JJ. Co-localization Patterns of AQP-4, A $\beta$ , and CD68 in Alzheimer's and Cerebrovascular Diseases. American Association of Clinical Anatomists (AACA) Abstr 2018. (poster)
185. Langford SJ, Wisco JJ. Anatomy Pedagogy through the Lens of Second Language Learning. American Association of Clinical Anatomists (AACA) Abstr 2018. (oral presentation)
186. Later DM, Wisco JJ. Mapping the Anatomical Variations of Subcutaneous Nerves Surrounding the Knee. American Association of Clinical Anatomists (AACA) Abstr 2018. (poster)
187. Walton CM, Johnson P, Mitchell UH, Hunter I, Wisco JJ. Assessment of Anatomical Variation of the Glenohumeral Joint in Swimmers. American Association of Clinical Anatomists (AACA) Abstr 2018. (oral presentation)
188. King RE, Steed KS, Rivera AE, Wisco JJ, Thibeault SL. Imaging and quantifying dehydration and rehydration in vocal fold tissue layers. International Conference on Voice Physiology and Biomechanics (ICVPB) Abstr 2018. (poster)
189. Harris ML, Bennion E, MaWhinney K, Howard VJ, Wadley VG, McClure LA, Levine DA, Manly JJ, Glymour MM, Wisco JJ, Chaney RA, Thacker EL. Rural versus urban living and incident cognitive impairment in the Reasons for Geographic and Racial Differences in Stroke Study (REGARDS). American Heart Association Epidemiology and Prevention Conference, Houston, TX, March 2019.
190. Wisco JJ, Read C, Kudlacek J, Jensen R, Duval J, Banner E. Wake up! Engaging verbal and nonverbal autism spectrum students in the inspired learning environment of Anatomy Academy. BYU Latter-day Saint Educators Society Conference, Provo, UT. 2019. (platform)
191. Wisco JJ, Read C, Kudlacek J, Jensen R, Duval J, Banner E. Wake up! Wake up! Engaging verbal and nonverbal autism spectrum elementary school students in the Anatomy Academy service-learning environment. Human Anatomy and Physiology Society Abstract 2019 (poster)
192. Datta R, Dharmarajan K, Rallabhandy A, Wisco JJ. Developing Convolutional Neural Network-based Object Detection Pipelines to Optimize *H. pylori* Identification in Gastric Tissue Samples. Research in Science & Engineering Program (RISE) 2019. Boston University, Boston, MA (poster)
193. Rallabhandy A, Dharmarajan K, Datta R, Wisco JJ. Utilizing Convolutional Neural Networks to Optimize *H. Pylori* Recognition on DAB Stain Biopsies. Research in Science & Engineering Program (RISE) 2019. Boston University, Boston, MA (poster)
194. Dharmarajan K, Datta R, Rallabhandy A, Wisco JJ. Using Deep Learning to Detect the Presence of *H. pylori* from a Stomach or a Small Intestine Biopsy. Research in Science & Engineering Program (RISE) 2019. Boston University, Boston, MA (poster)

195. Wooden C, Meeks T, Dharmarajan K, Wisco JJ. Mineralocorticoid to Glucocorticoid Receptor Ratio and Alzheimer's Disease Correlation. Research in Science & Engineering Program (RISE) 2019. Boston University, Boston, MA (poster)
196. Meeks T, Wooden C, Datta R, Dharmarajan K, Rallabhandy A, Wisco JJ. Correlation between Pancreatic Lipase Levels and Alzheimer's Disease. Research in Science & Engineering Program (RISE) 2019. Boston University, Boston, MA (poster)
197. Burleson K, Taney KR, Simoyi M, Smith T, Van Hoomissen J, **Wisco JJ**. CAN YOU *DIG* IT? HAPS Diversity and Inclusion Group (DIG) Membership Survey. Human Anatomy and Physiology Society Abstract 2019 (poster)
198. Steed KS, Harris ML, Hutchinson B, Adhikari R, Cieslak S, Cox P, Nwosu I, Noorda KA, Noorda K, Loveland J, Wisco JJ. You are what you eat: high methionine and western diet impacts on Alzheimer's disease mouse model cognition and MRI. Society for Neuroscience Abstr 2019 (poster)
199. Araujo AG, Park D, Steed KS, Ajijola OA, Shivkumar K, Mahajan A, Fishbein M, Hageman N, Stark ME, Wisco JJ. Visualization and assessment of stellate ganglia neuronal remodeling in association with myocardial infarction (MI) and coronary artery disease. Society for Neuroscience Abstr 2019 (poster)
200. Sotelo A, Diamse M, Huang N, Steed KS, Hamilton J, Wisco JJ. Comparison of 11.7T ex vivo with 3T in vivo MRI signal intensity of the hippocampus of wild-type, Tau, and PSEN1 individual mice: A pilot study. Society for Neuroscience Abstr 2019 (poster)
201. Sotelo A, Steed KS, Wisco JJ. Comparison of MRI methods to delineate the effects of genotype and Western diet in an ex vivo Alzheimer's disease murine model. Emirates Neurology Society (EMINS) Abstr 2019 (poster)
202. **Wisco JJ**, Moussavi M. The Fact is, Faculty are Needed for Feedback, and Less for Facts. American Association of Clinical Anatomy (AACA) and Human Anatomy and Physiology Society (HAPS) joint regional meeting Abstr 2020 [invited workshop]
203. Afifi L, **Wisco JJ**. Interdisciplinary Approach to Student Led TBL Sessions American Association of Clinical Anatomy (AACA) and Human Anatomy and Physiology Society (HAPS) joint regional meeting Abstr 2020 [invited workshop]
204. **Wisco JJ**, Moussavi M, Afifi L. An Introduction to the Integrated Curriculum at Boston University Schools of Medicine, Dentistry, PA; Masters in Medical Sciences. American Association of Clinical Anatomy (AACA) and Human Anatomy and Physiology Society (HAPS) joint regional meeting Abstr 2020 [invited panelist]
205. Moussavi M, **Wisco JJ**. Jumping into TBL One Step at a Time. American Association of Clinical Anatomy (AACA) and Human Anatomy and Physiology Society (HAPS) joint regional meeting Abstr 2020 [invited workshop]
206. Sotelo A, Huang N, Steed KS, Hamilton JA, Wisco JJ. Optimization of relaxation times to provide the best signal intensity and resolution in MR images following exposure of Gadolinium-based Contrast Agents. Society for Neuroscience Connectome Meeting Abstr 2021 (e-poster)
207. Sloane L, Kirby J, **Wisco JJ**, Lopez M. Diversity, Equity, and Inclusion (DEI) in the Classroom Part 1: Faculty Perspective. Human Anatomy and Physiology Society Abstract 2021 (workshop)
208. Sloane L, Lopez M, **Wisco JJ**, Kirby J. Diversity, Equity, and Inclusion (DEI) in the Classroom Part 2: Student Perspective. Human Anatomy and Physiology Society Abstract 2021 (workshop)
209. Goldina A, **Wisco JJ**, Billings H. Sex and Gender Aren't Binary, Yo! And Here's Why.... Human Anatomy and Physiology Society Abstract 2021 (workshop)

210. Stevens K, Grachan J, Severt B, **Wisco JJ**, Mattinson CE. Gross Anatomy Labs During the Pandemic and Beyond. Human Anatomy and Physiology Society Abstract 2021 (workshop)
211. Schmalz NA, Byram JN, Steed KS, Clements D, **Wisco JJ**. Service-learning experience with low-income and special needs students impacts participant outcomes. International Association of Medical Science Educators (IAMSE) Abstr 2021 (oral presentation)
212. *Lin DC, Bunch BS, Zuim Dantas De Souza R, Chen DT, Zhou J*, Zumwalt AC, **Wisco JJ**. Effectiveness of Medical Gross Anatomy Pedagogical Tools for Teaching During the COVID-19 Pandemic. American Association of Clinical Anatomists Abstr 2021 (poster)
213. *Lin DC, Bunch BS, Zuim Dantas De Souza R, Fefferman AM*, Bunch BS, **Wisco JJ**. Variation of the Flexor Digitorum Accessorius Longus Muscle. American Association of Clinical Anatomists Abstr 2021 (poster)
214. *Zuim Dantas Zuim Dantas De Souza R, Lin DC, Filimonov AK*, Zumwalt AC, **Wisco JJ**. Exploratory Axillary Dissection of a Transhumeral Amputation: A Cadaveric Study. American Association of Clinical Anatomists Abstr 2021 (poster)
215. Sadik A, Heck AJ, Arja S, Huggett KN, Quesnelle KM, Smith PJW, Stein JP, **Wisco JJ**. Twelve Years of Faculty Development in Educational Scholarship through the IAMSE Medical Educator Fellowship. Association for Medical Education in Europe (AMEE) Abstr 2017. (poster)
216. *Lin DC, Bunch BS, Zuim Dantas De Souza R, Chen DT, Zhou J, Zumwalt AC*, **Wisco JJ**. Effectiveness of Medical Gross Anatomy Pedagogical Tools for Teaching During the COVID-19 Pandemic. Boston University School of Medicine, McCahan Education Conference Abstr 2021 (poster)
217. *Zuim Dantas De Souza R, Lin DC*, Bunch BS, Zumwalt AC, **Wisco JJ**. “Flip the Switch” on the Classroom and on the Faculty-Student Collaboration. Boston University School of Medicine, McCahan Education Conference Abstr 2021 (workshop)
218. *Claus LA, Cassidy B, Prasad M, Landau-Taylor J*, **Wisco JJ**. Integration of Point-of-Care Ultrasound in Preclinical Medical Education. Boston University School of Medicine, McCahan Education Conference Abstr 2021 (workshop)
219. Kirschling J, Maine LL, Patton J, **Wisco JJ**. Trends and Issues Facing Health Professions Educators. Association for Educational Communications and Technology (ACET), Education in the Health Professions–Special Interest Group (EDHP–SIG). Abstr 2021 (invited panelist)
220. *Amsterdam C, Philip A, Nirody S, Sotelo A*, Huang N, Hamilton J, **Wisco JJ**. A Qualitative Comparison of Manual and K-means Segmentation for Whole-slide Histology Images of Rabbit Vocal Folds. American Association for Anatomy (AAA) Abstr 2022 (poster)
221. Bellapu A, **Wisco JJ**. A review of Melodic Intonation Therapy (MIT) and pilot of Dynamic Adaptive Speech Reconstruction (DASR) imaging. American Association for Anatomy (AAA) Abstr 2022 (poster)
222. Critchfield-Jain I, Lahodny A, Gentillon R, Read C, Banner E, **Wisco JJ**. Qualitative Analysis of Autism Spectrum Disorder Student Body Language and Teacher Pedagogical Techniques while Scanning for Frontal Lobe Activation Using fNIRS. American Association for Anatomy (AAA) Abstr 2022 (poster)
223. Kania B, Sotelo A, *Ty D*, **Wisco JJ**. A Fight Against Gut Dysbiosis: Dendritic-cell Derived Hepcidin and its Healing Role and Prevention of Neurologic Disease. American Association for Anatomy (AAA) Abstr 2022 (poster)

224. Lahodny A, Critchfield-Jain I, Gentillon R, Read C, Banner E, **Wisco JJ**. Qualitative analysis of the role of teacher rapport on autism spectrum disorder student engagement while scanning for frontal lobe activation using fNIRS. American Association for Anatomy (AAA) Abstr 2022 (poster)
225. Lai E, Rukavina NA, **Wisco JJ**, Zumwalt A. Feelings of Gratitude in Dissection- and Prosection-Based Cadaveric Anatomy Courses. American Association for Anatomy (AAA) Abstr 2022 (poster)
226. Mosaheb S, Afifi L, **Wisco JJ**, Zumwalt A. The effective use of the Anatomage table as a teaching tool for learning the Infratemporal Fossa. American Association for Anatomy (AAA) Abstr 2022 (poster)
227. Rukavina NA, Lai E, **Wisco JJ**, Zumwalt A. Medical School Culture Influences How Students Think About Gross Anatomy Lab. American Association for Anatomy (AAA) Abstr 2022 (poster)
228. Sotelo A, Kania B, Ty D, **Wisco JJ**. The Gut-Brain Connection: The Inflammatory Role of IL-6 Caused by a Western Diet. American Association for Anatomy (AAA) Abstr 2022 (poster)
229. Tse S, Fefferman A, Yang R, Li A, **Wisco JJ**. Determining the Association Between Density of Muscarinic Acetylcholine Receptor M3 in Myocardium and Tunica Media of Coronary Vasculature and Self-Reported Disease States. American Association for Anatomy (AAA) Abstr 2022 (poster)
230. Ty D, Kania B, Sotelo A, **Wisco JJ**. Gut Dysbiosis: A Review of the Effects of a High-Fat Diet on Iron Regulation and Brain-Derived Neurotrophic Factor (BDNF) Expression in the Brain-Gut Axis. American Association for Anatomy (AAA) Abstr 2022 (poster)
231. Yang R, Fefferman A, Tse S, Park D, **Wisco JJ**. Nearest Neighbor Density Analysis of the Stellate Ganglia. American Association for Anatomy (AAA) Abstr 2022 (poster)
232. **Wisco JJ**. Personal Statements for Health Sciences Professional School: Admissions Committees Want to Hear Your Story. American Association for Anatomy (AAA) Abstr 2022 (invited plenary)
233. Zumwalt A, Lai E, Rukavina NA, **Wisco JJ**. The Emotional Experiences of Students in Dissection- and Prosection-based Cadaveric Anatomy Courses. American Association for Anatomy (AAA) Abstr 2022 (plenary)
234. Claus L, Cassidy B, Landau-Taylor J, Prasad M, **Wisco JJ**. Preclinical ultrasound education using a near-peer educational model. International Association of Medical Science Educators (IAMSE) Abstr 2022 (Oral Presentation; Presentation Award Winner)
235. Filimonov A, Rivera E, Flynn D, **Wisco JJ**. Identifying Health Disparities among Transgender Pelvic Cancer Patients: A Grounded-Theory Thematic Meta-Analysis Approach. International Association of Medical Science Educators (IAMSE) Abstr 2022 (Poster)
236. Vollbrecht P, Porter-Stransky KA, Restini C, Carvalho H, Roller B, Holder C, **Wisco JJ**, Dickson C, Weiler T. Producing scholarship from outreach and service learning in health professions education. International Association of Medical Science Educators (IAMSE) Abstr 2022 (focus group)
237. Weber J, **Wisco JJ**. Win-Win Feedback Interactions: Promoting More Positive and Productive Learning Conversations. International Association of Medical Science Educators (IAMSE) Abstr 2022 (focus group)
238. Schmalz NA, Steed KS, **Wisco JJ**. Service-learning builds community between learners and with the greater community. Boston University Faculty Forum Abstr 2022 (poster)
239. **Wisco JJ**, Steed KS, Read CC, Banner E, Schmalz NA. Building a service-learning community partnership to expand the classroom learning experience. Boston University Faculty Forum Abstr 2022 (poster)
240. Collins AJ, Gest TR, Lohman Bonfiglio CM, Meyer ER, Nation HL, **Wisco JJ**, Carter Y. The sum of our voices: toward achieving diversity, equity, and inclusion in the AACA. American Association of Clinical Anatomists (AACA) Abstr 2022. (panelist)

241. *In A, Baribeau VY, Lin DC, Fefferman AM, Mitchell JD, Wisco JJ*. Quantitative Measurement of Dissection: Differentiation of Dissectors Using Hand Motion Analysis. American Association of Clinical Anatomists (AACA) Abstr 2022. (oral presentation)
242. *Fefferman AM, Yang R, Tse S, Li A, Wisco JJ*. Superior Cervical and Stellate Ganglia Remodeling in Heart and Brain Vascular Pathology. American Association of Clinical Anatomists (AACA) Abstr 2022. (oral presentation)
243. *Lin DC, In A, Baribeau VY, Wisco JJ*. Congenital hand malformations in an anatomical donor: a potential case of symbrachydactyly and contrahentes digitorum. American Association of Clinical Anatomists (AACA) Abstr 2022. (oral presentation)
244. *Baum MM, Davidoff A, Wisco JJ*. Novel Computational Methods for Mediastinal Structure Assessment to Aid in COPD Diagnosis. American Association of Clinical Anatomists (AACA) Abstr 2022. (oral presentation)
245. *Rathod S, Kolus R, Byungchan K, Gurnani S, Kim A, Kim E, Tan F, Van Roy I, Whitney E, Macneil M, Wisco JJ*. A Case of an Abnormally Dilated and Tortuous Arc of Buhler and Pancreaticoduodenal Arteries in the Absence of Celiac Trunk Stenosis. American Association of Clinical Anatomists (AACA) Abstr 2022. (poster)
246. *Black E, Rasch A, Wimmer T, Li A, Cieslak S, Steed KS, Adhikari RD, Wisco JJ, Hutchinson B*. Age, genotype, and diet effects on an ApoE mouse model. Society for Neuroscience (SfN) Abstr 2022 (poster)
247. *Conn A, Lahodny A, Critchfield-Jain I, Wisco JJ*. The Anatomy Academy model for teaching healthy habits... on Zoom! 2023 SHAPE America National Convention & Expo. Abstr 2023. (Roundtable – Oral)
248. *Oddo B, Siegel N, Lee C, Robinson, Xia L, Grimes J, Wisco JJ*. The Use of a Novel Aesthetic Scale for Improving Public Understanding of Clinical Illustrations: An Exploratory Study. Boston University Aram V. Chobanian & Edward Avedisian School of Medicine, Medical Student Summer Research Program (MSSRP) Abstr 2023 (poster)
249. *Ye M, Goodman D, Prasad M, Wisco JJ*. iProbe, an ultrasound probe simulator application for the smartphone. Massachusetts Medical Society (MMS) Presentation 2023 (Oral; Presentation Award Winner)
250. *Gates AR, Filimonov AK, Wisco JJ, Goldina A*. Examination of transgender and intersex material published by Professional Medical Associations. American Association for Anatomy (AAA) Abstr 2023 (poster)
251. *Grachan J, Breckling A, Leeper B, Stevens K, Wisco JJ, Robinson R*. Dissecting the “Heart” of the ADS Coaching Program. Human Anatomy and Physiology Society (HAPS) Abstr 2023 (workshop)
252. *Breckling A, Grachan J, Leeper B, Wisco JJ, Robinson R, Stevens K*. Top 10 Tools Needed In Your Anatomy Lab Resource and Outreach Toolbelt. Human Anatomy and Physiology Society (HAPS) Abstr 2023 (workshop)
253. *Aijaz A, Dabbara H, Goodman D, Wang J, Cassidy B, Claus L, Prasad M, Landau-Taylor J, Shaffer K, Wisco JJ*. Impact of low-stakes assessments on ultrasound confidence in pre-clerkship medical students and graduate students. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
254. *Capen T, Sconzo D, Arbelaez C, Wisco JJ*. Interleaving interdisciplinary ultrasound practice into pre-clerkship anatomical courses. International Association of Medical Science Educators (IAMSE) Abstr 2023 (oral presentation)

255. *Dabbara H, Goodman D, Wang J, Aijaz A, Cassidy B, Claus L, Landau-Taylor J, Prasad M, Shaffer K, Wisco JJ*. “Self-reported confidence, hands-on scanning performance, and students’ ability to gauge their skills” International Association of Medical Science Educators (IAMSE) Abstr 2023 (oral presentation)
256. *Filimonov AK, Rivera E, Gates AR, Allos AN, Flynn D, Goldina A, Wisco JJ*. Grounded theory thematic meta-analysis: a novel approach. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
257. *Gates AR, Filimonov AK, Wisco JJ, Goldina A*. Examination of LGBTQIA+ inclusive recommendations issued by Professional Medical Associations across healthcare fields. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
258. *Goodman D, Wang J, Aijaz A, Dabbara H, Prasad M, Landau-Taylor J, Cassidy B, Claus L, Lin J, Patel R, Barrett J, Shi J, Zhang H, Xu H, McFadden G, Wisco JJ, Shaffer K*. Evolution of a point-of-care ultrasound elective integrated into the preclinical curriculum. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
259. *Lee C, Oddo B, Siegel N, Robinson, Xia L, Wisco JJ*. Visual medicine: Patient understanding of physician illustrated medical concepts. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
260. *Prasad M, Cassidy B, Claus L, Landau-Taylor J, Aijaz A, Dabbara H, Goodman D, Wang J, Wisco JJ*. Student perception of the importance of research for residency after the transition to USMLE Step 1 P/F scoring. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
261. *Schmalz NA, Wisco JJ, Byram JN*. Service-learning participation supplements the education and professional development of pre- and current health professional students. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
262. *Schmidt E, Clancy D, Wisco JJ*. Exploring the Potential Benefits of Figurative Art Exhibitions Within the Gross Anatomy Educational Environment. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
263. *Siegel N, Oddo B, Lee C, Robinson, Xia L, Wisco JJ*. Drawing the diagnosis: a novel scale for the evaluation of physician illustrated clinical concepts. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
264. *Wang J, Aijaz A, Dabbara H, Goodman D, Baribeau V, Xu H, McFadden G, Wisco JJ*. Creation of a condensed 4-view cardiac exam for assessment of ultrasound proficiency in pre-clerkship medical students. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
265. *Ye M, Goodman D, Prasad M, Perry M, Claus L, Lufner R, Harrison JR, Zumwalt AC, Wisco JJ*. Developing a mobile app to simulate ultrasound transducer motion and enhance clinical anatomy training. International Association of Medical Science Educators (IAMSE) Abstr 2023 (poster)
266. *Shearer J, Estevez Stabio M, Salcedo E, Leppeck N, Wisco JJ, Lohman Bonfiglio CM*. Evaluating a High-Resolution Smartphone Photogrammetry App to Democratize Digital Cadaver Preservation. Poster presented at: American Association of Clinical Anatomists; 2023 July 9–12; Orlando FL.

#### Textbook Chapters:

1. Metten S, **Wisco JJ**, Stark E. Cranial Nerves Anthology. UCLA Medical School Website. 2008-09. <http://www.medsch.ucla.edu/angel/default.asp>
2. Metten S, **Wisco JJ**, Stark E. Cardiovascular System Anthology: The Mediastinum file. UCLA Medical School Website. 2008-09. <http://www.medsch.ucla.edu/angel/default.asp>



3. **Wisco JJ**, Metten S, Stark E. Osteology Anthology: Skull, Spine, Chest Wall, Upper Extremity, Lower Extremity, and Pelvis files. UCLA Medical School Website. 2008-09.  
<http://www.medsch.ucla.edu/angel/default.asp>
4. Metten S, **Wisco JJ**, Stark E. Peripheral Nervous System Anthology: Foundations in the Nervous System, Somatic Motor System, and Somatic Sensory System files. UCLA Medical School Website. 2008-09. <http://www.medsch.ucla.edu/angel/default.asp>
5. Metten S, **Wisco JJ**. Respiratory System Anthology: Upper Airway, Lower Airway and Chest Wall, and Neck with Upper Airway files. UCLA Medical School Website. 2008-09.  
<http://www.medsch.ucla.edu/angel/default.asp>
6. Metten S, **Wisco JJ**. Digestive System Anthology: Upper GI, Neck with Upper GI Tract, Lower GI, and Abdominal Walls files. UCLA Medical School Website. 2008-09.  
<http://www.medsch.ucla.edu/angel/default.asp>
7. Metten S, **Wisco JJ**. Reproductive System Anthology: Male Pelvis, Male Perineum, Inguinal Region and Scrotum, Female Pelvis, and Female Perineum files. UCLA Medical School Website. 2008-09.  
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8. **Wisco JJ**. Gross Anatomy Collections: Heart and Mediastinum. UCLA Medical School Website. 2010-2011. <http://www.medsch.ucla.edu/angel/default.asp>
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<http://www.medsch.ucla.edu/angel/default.asp>
10. **Wisco JJ**. Gross Anatomy Collections: Lower Airway and Chest Wall. UCLA Medical School Website. 2010-2011. <http://www.medsch.ucla.edu/angel/default.asp>
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<http://apps.medsch.ucla.edu/medyear1/Anatomy/extraocularMuscles/Index.htm>.
14. **Wisco JJ**. Brain. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
15. **Wisco JJ**. Cerebrum. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
16. **Wisco JJ**. Ventral Rami: Lumbar Plexus. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
17. **Wisco JJ**. Ventral Rami: Sacral Plexus. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
18. **Wisco JJ**. CN I: Olfactory Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
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20. **Wisco JJ**. CN IX: Glossopharyngeal Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
21. **Wisco JJ**. CN X: Vagus Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
22. **Wisco JJ**. CN XI: Spinal Accessory Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
23. **Wisco JJ**. CN XII: Hypoglossal Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
24. **Wisco JJ**. External and Middle Ear. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
25. **Wisco JJ**. Internal Ear. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
26. **Wisco JJ**. Breast. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
27. **Wisco JJ**. Innervation of Gut Tube. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
28. **Wisco JJ**. Lymphatic System. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.

29. **Wisco JJ.** Lymphatics: Abdominal Viscera. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
30. **Wisco JJ.** Lymphatics: Perineum. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
31. **Wisco JJ.** Lymphatics: Pelvis. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
32. **Wisco JJ.** Lymphatics. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
33. **Wisco JJ.** Lymphatics: Limbs. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
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35. **Wisco JJ.** Veins: Abdominal Caval Veins. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
36. **Wisco JJ.** Veins: Pelvis. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
37. **Wisco JJ.** Veins: Perineum. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
38. **Wisco JJ.** Anterior Triangle of the Neck. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
39. **Wisco JJ.** Posterior Triangle of the Neck. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
40. **Wisco JJ.** Root of the Neck. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
41. **Wisco JJ.** Superficial Face. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
42. **Wisco JJ.** Pelvic and Perineal Innervation. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.
43. **Wisco JJ.** Hepatic Portal system. In: Morton D (Ed.), *AnatomyOne*. Amirsys: Salt Lake City, UT, 2011.

### **Gallery Exhibits and Other Creative Works:**

1. **Wisco JJ, Seferovich H.** "Bodies Filled with Light." Education in Zion Gallery, Brigham Young University. 2014 Nov. to 2016 Apr. <https://educationinzion.byu.edu/bodies-filled-with-light>

#### **About the Exhibition**

We each have a body created in the image of our Heavenly Father (Genesis 1:27; Moses 2:26–27; Abraham 4:26–27). The Prophet Joseph Smith taught that “the Father has a body of flesh and bones as tangible as man’s; the Son also” (D&C 130:22). These axioms have significant impact on our individual testimonies. As we understand and care for our own bodies, we catch a glimpse of our divine potential and relationship with the Godhead.

*Bodies Filled with Light* showcases images that exemplify the miracle of the human body. The illustrations and scriptures are arranged in three primary themes: the body of Christ, body structures, and body systems.

An intimate relationship exists between the human body and how that marvelous creation can participate in the doctrines of salvation; the temporal element overlaps with, and to some extent even serves, the spiritual.

The scriptures tell us that all things were created spiritually before they were created temporally (Moses 3:5). With a deeper understanding of the body, God’s children can better appreciate the physical ordinances of salvation. We hope that by viewing this exhibition you will develop a deeper understanding of the body as a structural miracle designed to hold and be commanded by our spirits.

Artist Jill Penkus created the illustrations that were originally commissioned by Carmine Clemente, who used them in the 30th ed. of *American Gray’s Anatomy* (Philadelphia: Lea & Febiger, 1985) and in subsequent textbooks. Clemente graciously gave these drawings to Jonathan J. Wisco as a parting gift from the David Geffen School of Medicine at UCLA. The reproductions displayed here, represent a small fraction of the total art collection and are enlarged and reproduced with permission.

2. Hilton A, Jorgensen A, Gardiner B, Robison S, Lambert HW, Morton DA, Wisco JJ. Visualization of cardiac plexus fiber branches using the Sihler's technique. *Chiasm* 2016; 8:11-17.
3. Mason NL, Wang H, Heldt B, Long B, Nazaran A, Gardiner B, Sanders L, Dorius G, Morton D, Bangarter NK, Wisco JJ. 3D Modeling of Laryngeal Structure via High-Resolution MRI Segmentation and Histological Analysis. *NRLD Technical Memo* 2016:10, [www.nrld.org](http://www.nrld.org).
4. **Wisco JJ**. A primer on the respiratory tract anatomy of COVID-19 entry into the body. *3D4Medical (Elsevier)* 2020. >12,000 views [https://www.youtube.com/watch?v=5R\\_KpZBehLo](https://www.youtube.com/watch?v=5R_KpZBehLo)
5. **Wisco JJ, Filimonov AK, Gates A, Rivera E**. Sexual Health and Medicine Access: A Roundtable Discussion. *The Franklin Institute Presents: So Curious!* 2022  
<https://player.captivate.fm/episode/5c0d1461-0c8f-4a5f-b227-19ff13e2b70e>

### About the Podcast

In this episode, Kirstin and Bey are joined by associate professor of anatomy and neurobiology Dr. Jonathan Wisco and a few of his students. We will be hearing about what the next generation is focusing on in terms of providing equal care for people with different gender and sexual identities. Please note: This episode was recorded prior to the overturning of *Roe v Wade*.

### Links for this episode

Learn more about Dr. Jonathan Wisco <https://www.bumc.bu.edu/busm/profile/jonathan-wisco/>

Read episode transcript <https://beyond.fi.edu/.../transcript-sexual-health.../>

[#LGBTQIA](#) [#dei](#) [#education](#) [#medicine](#) [Boston University Chobanian & Avedisian School of Medicine](#)

6. Schmidt E, Boles X, Capen T, Wisco JJ, Clancy D. *The Cadaver / The Body*. Collaborated in a group exhibition of multi-media artwork about the human body from participants across disciplines. Curated by artist Emma Schmidt. Gallery 5, Boston University School of Visual Arts. Boston, MA.

### Gallery Description

“The Cadaver/The Body” is a curated exhibition that explores the boundaries of “figurative” work, from clinical illustrations to the varied materials and conceptual frameworks of the fine arts. The works in this show contend and reckon with the idea of “the body” being perceived as a subject, as an object, and sometimes as both. This reckoning encourages a conversation about how we, as humans, have the ability to view the body in vastly different ways under various contexts, including individual sentence, experience, and perception. Additionally, the show highlights the participating artists’ ability to take perceived input stemming from a singular source of inspiration and synthesize it into cumulative, diverse works.

This exhibition was initially born from my Undergraduate Research Opportunity Program (UROP) experience. I spent my summer studying and drawing in the BU Anatomy Lab and fully considering what it means to utilize and consider the human body as both subject and object under shifting lenses. I worked on my UROP under the mentorship and guidance of Dr. Jonathan Wisco, Tyler Capen, Xian Boles, and Dana Clancy.

Ultimately, the artists in this exhibition collectively invite viewers to consider and reckon with the relationship we hold towards the vessel that is our bodies: What is it in what we see that makes us who we are? That forms the perceived identity of those we observe?

7. \*Lakis GA, \*Onaifo A, Moore B, Wisco JJ. Strategies Spotlight: Digital Education. <https://silverchair.cadmoremedia.com/Title/e2026f35-55d2-4be7-8df6-c6cca70bd4ff>.  
\*contributed equally as student first authors

This event brings together producers and end users of educational content to illuminate primary trends in digital education and learning, inclusive of: Micro/Nano Learning, Personalized and Adaptive Education, Collaborative Learning, and Immersive Learning. Using practical examples and applications, we'll explore: motivations driving the adoption of digital education, opportunities, impact, and outcomes of digital education and learning; challenges and gaps; and what's coming in the next 2-3 years.