

## Curriculum Vitae

**Jonathan J. Wisco, Ph.D.**  
**Boston University School of Medicine**  
**Department of Anatomy and Neurobiology**  
**Boston, MA**  
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### 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-present Associate Professor of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT  
8/2013-present Adjunct Associate Professor of Neurobiology and Anatomy, University of Utah School of Medicine, Salt Lake City, UT

### Hospital Appointments or Other Employment:

3/2015-present Visiting Professor, School of Medicine, St. George's University School of Medicine, True Blue, Grenada, West Indies  
3/2015-present Visiting Professor, Department of Anatomy, Ross University School of Medicine, Portsmouth, Dominica, West Indies

### 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.*

- 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

**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.*

- 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-present Computer Users Council, College of Life Sciences, Brigham Young University, Provo, UT
- 8/2014-present Faculty Advisor, *Chiasm* Journal (student-run BYU campus scientific journal), Neuroscience Center, Brigham Young University, Provo, UT
- 8/2014-present Faculty Advisor, Neuroscience Club, Neuroscience Center, Brigham Young University, Provo, UT
- 8/2014-present 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-present Selection Committee, Medical School Admissions Committee, University of Utah School of Medicine

### **Teaching Experience and Responsibilities:**

*As a clinical anatomists 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
- 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 lectures (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) Division of Integrative Anatomy, Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at UCLA, Los Angeles, CA  
Obstetrics/Gynecology  
Radiology  
Surgery
- 8/2012-present Human Anatomy Course Lecturer, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 6/2013-present Human Anatomy Course TA Training Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT
- 8/2013-present 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-present Clinical Anatomy Course Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT

**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.*

**Medical/Graduate Students Mentored**

- 2009-2012 Jacob Ortiz, M.D., PI, David Geffen School of Medicine at UCLA Short-Term Training Program, Currently Internal Medicine Resident, UC Davis School of Medicine
- 2009-2012 Ilan Safir, M.D., Co-PI, David Geffen School of Medicine at UCLA Short-Term Training Program, Currently Urology Resident, Emory University School of Medicine
- 2009-2010 Daniel Lattin, M.D., Co-PI, David Geffen School of Medicine at UCLA Short-Term Training Program, Currently Ophthalmology Resident, Oregon Health and Sciences University
- 2009-2011 Helen Honarpisheh, M.D., Co-PI, Postdoctoral fellowship, Currently Pathology Resident, Yale University School of Medicine
- 2010-2011 Steve Schettler, Ph.D., PI Postdoctoral fellowship, Currently Assistant Professor, David Geffen School of Medicine at UCLA, Department of Pathology and Laboratory Medicine, Division of Integrative Anatomy
- 2010-2011 Paul Rabedeaux, M.D., Research advisor on medical education, Currently Anesthesiology Resident, University of Wisconsin Hospital and Clinics
- 2010-2011 Seth Lerner, M.D., Research advisor on medical education, Currently Anesthesiology Resident, UC Davis, CA

- 2011-2012 Anita Wong, M.D., PI, David Geffen School of Medicine at UCLA Short-Term Training Program, Currently Family Medicine Resident, David Geffen School of Medicine at UCLA
- 2011-2012 Nathan Hageman, Ph.D., Co-PI, Postdoctoral fellowship, Currently Neurosurgery Resident, David Geffen School of Medicine at UCLA
- 2012-2013 Sam Clarke, M.D., Mentor, UCLA Medical Education Fellowship, David Geffen School of Medicine at UCLA, Currently Assistant Professor of Emergency Medicine at UC Davis Health System
- 2012-2013 Molly Diaz, M.P.H., M.D., Thesis advisor, UCLA School of Public Health Program in Health Policy and Management, Currently Pediatrics Resident, University of Chicago School of Medicine
- 2012-2013 Kene Ojukwu, M.P.P., M.D., Thesis advisor, Charles Drew University/UCLA Medical Education Program Currently Pathology Resident, Harbor-UCLA Medical Center
- 2012-2013 Jessica Padilla, M.P.P., Research advisor, UCLA School of Public Health Program in Health Policy and Management, Currently working in the Los Angeles community in public health
- 2012-2013 Stephanie Young, M.D., Research advisor, David Geffen School of Medicine at UCLA, Currently Medicine Resident
- 2012-2013 Carlos Guzman, M.D., Research advisor, David Geffen School of Medicine at UCLA, Currently Surgery Resident, Bassett Hospital, NYC, NY
- 2012-2014 Katherine Jenkins, R.N., N.P., Thesis committee, Brigham Young University, College of Nursing, Currently NP in Salt Lake City
- 2012-2014 Kristin Van Tassell, R.N., N.P., Thesis committee, Brigham Young University, College of Nursing, Currently NP in Salt Lake City
- 2012-2017 Christopher Doxey, Ph.D. Neuroscience, Dissertation committee, Brigham Young University, Department of Psychology and Neuroscience Center, Currently medical student
- 2012-2017 Roxanne Miller, Ph.D. Physiology and Developmental Biology expected 2016, Dissertation committee, Brigham Young University, Department of Physiology and Developmental Biology
- 2013-2014 Ryan Folsom, M.S. Neuroscience, Thesis committee, Brigham Young University, Department of Psychology, Currently medical student
- 2013-2015 Nena Lundgreen Mason, Ph.D., Dissertation advisor, Brigham Young University, Department of Physiology and Developmental Biology, Currently Assistant Professor, Rocky Vista University College of Osteopathic Medicine
- 2013-2017 Rajan Adhikari, M.D., Ph.D., Dissertation advisor, Brigham Young University, Department of Physiology and Developmental Biology and Neuroscience Center
- 2014-2017 Steve Cieslak, M.S. Physiology and Developmental Biology, Thesis advisor, Brigham Young University, Department of Physiology and Developmental Biology, currently MBA student, Utah Valley University
- 2014-2017 Doris Jackson, Ph.D. Physiology and Developmental Biology, Dissertation committee, Brigham Young University, Department of Physiology and Developmental Biology and Neuroscience Center
- 2014-2017 Jennifer Bowden, Ph.D. Exercise Science, Dissertation committee, Brigham Young University, Department of Exercise Science
- 2014-present Paula Johnson, Ph.D. Neuroscience expected 2018, Dissertation committee, Brigham Young University, Department of Physiology and Developmental Biology
- 2014-2018 BreAnna Long Hutchinson, Ph.D. Neuroscience expected 2018, Dissertation advisor, Brigham Young University, Department of Physiology and Developmental Biology and Neuroscience Center

2014-2018 Kevin Steed, Ph.D. Neuroscience expected 2018, Dissertation advisor, Brigham Young University, Department of Physiology and Developmental Biology and Neuroscience Center

#### Undergraduate Students Mentored

2010-2013 Ashley Salin, currently physician assistant student at Stony Brook University (New York, NY)

2010-2013 Megan Salin

2010-2013 Kevin Steed, Currently Neuroscience student at Brigham Young University (Provo, UT)

2011-2012 James Bridgewater, Currently research associate at Coyote Pharmaceuticals (Silicon Valley, CA)

2011-2012 Nathan Cheng

2011-2012 Linda Lee

2011-2012 Zack Naqvi, Currently police officer in the Los Angeles area

2011-2012 Brian Park

2011-2012 Lisa Shue

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, Currently medical student at Loma Linda University School of Medicine (Loma Linda, CA)

2011-2013 Robert Liu, Currently medical student at Wayne State University School of Medicine (Detroit, MI)

2011-2013 Anh Nguyen

2011-2013 Megan Stone, Currently chemistry predoctoral student at UC San Diego (San Diego, CA)

2011-2015 Anthony Nguyen, Currently medical student at University of Miami School of Medicine (Miami, FL)

2012-2013 Huy (Steven) Pham

2012-2013 Erica Liu

2012-2013 Kelly Chan

2012-2013 Thomas Gall, Currently optometry student at Arizona college of optometry at Midwestern university (Glendale, AZ)

2012-2013 Carter Newey, Currently medical student at University of Texas Health Science Center – Texas College of Osteopathic Medicine (Fort Worth, TX)

2012-2013 Jeremy Seastrand, Currently medical student at Kansas City University of Medicine and Biosciences (Kansas City, MO)

2012-2013 Kylen Zibetti

2012-2014 Brigham Barzee, Currently medical student at St. Louis University School of Medicine (St. Louis, MO)

2012-2015 Jake Gamboa, Currently medical student at University of Colorado School of Medicine (Denver, CO)

2012-2015 Michael Gillespie, Currently medical student at University of Texas Southwestern Medical Center (Dallas, TX)

2012-2015 Adam Jorgensen, Currently MD/PhD student at Wake Forest School of Medicine (Winston-Salem, NC)

2012-2015 David Vogelsang, Currently entrepreneur and owner of EducationHive, LLC; and medical student at Mayo Clinic (Rochester, MN)

2012-2015 Daniel Wilkes, Currently podiatry student at Des Moines University (Des Moines, IA)  
2012-2016 Brett Gardiner  
2013-2014 Jordan Clement  
2013-2014 Jordon Edwards  
2013-2014 Bridger Frampton, Currently medical student at Midwestern University School of  
Medicine (Glendale, AZ)  
2013-2014 Riley Hales, Currently medical student at Boston University School of Medicine (Boston,  
MA)  
2013-2014 Andrew Johnston  
2013-2014 Andrew Wilkes  
2013-2014 Austin Russell, Currently medical student at St. George's University Medical School  
(Grenada)  
2013-2014 David McLaughlin  
2013-2014 Cody Waldron  
2013-2014 Josh Childs  
2013-2015 Marc Christiansen, Currently software engineer at Qualtrics (Provo, UT)  
2013-2015 Brandon Herrington, Currently medical student at University of British Columbia  
(Vancouver BC, Canada)  
2013-2015 Dani Peterson  
2013-2015 Alex Christensen, Currently optometry student at Midwestern University School of  
Medicine (Glendale, AZ)  
2013-2015 Alex Mageno, Currently medical student at University of Cincinnati School of Medicine  
(Cincinnati, OH)  
2013-2015 Autumn Tullis  
2013-2015 Kinny Edmunds, Currently dental student at Ohio State University)  
2013-2015 Austin Papritz  
2013-2015 David Harrington, Currently Co-Founder of Visual Representation Solutions, LLC  
2013-2015 Dallin Anderson, Currently physical therapy student at Eastern Washington University  
(Cheney, WA)  
2013-2015 Jeff Peterson, Currently medical student at Medical College of Wisconsin (Milwaukee,  
OH)  
2013-2015 Samuel Barlow, Currently medical student at University of South Carolina (Columbia, SC)  
2013-2015 Scott Robison  
2013-2015 McKay Avondet, Currently medical student at Liberty University College of Osteopathic  
Medicine (Lynchburg, VA)  
2013-2016 Craig Clayton, Currently dental student at University of Kentucky (Lexington, KY)  
2013-2016 Brett Heldt, Currently medical student at Baylor College of Medicine (Houston, TX)  
2013-2017 Harrison Snyder, Currently medical student at Morehouse School of Medicine (Atlanta,  
GA)  
2014-2015 Paul Ormston, Currently medical student at University of Lethbridge School of Medicine  
(Lethbridge, Alberta, Canada)  
2014-2015 Nate Hainsworth, Currently medical student at University of New England College of  
Osteopathic Medicine (Portland, ME)  
2014-2015 Jamison Harvey, Currently medical student at Mayo Clinic (Minneapolis, MN)  
2014-2015 Katrina Peterson, Currently nurse at University of Utah Health Care (Salt Lake City, UT)  
2014-2015 Zach Call, Currently medical student at University of Texas - Houston (Houston, TX)  
2014-2016 Nicole Law, Currently medical student at George Washington University (Washington,  
DC)  
2014-2016 Tyler Madsen, Currently dental student at Arthur A. Dugoni School of Dentistry (San  
Francisco, CA)

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, Currently medical student at University of North Texas (Fort Worth, TX)

2014-2017 Taylor Stephensen, Currently law student at University of Utah

2014-2016 Jamison Weeks

2014-2018 Ty Hancock, Currently business student at University of Oregon

2015-2016 Eric San Diego, Currently dental student at A.T. Still University School of Dentistry (Mesa, AZ)

2015-2016 Chris Rollins, Currently dental student at University of Louisville (Louisville, KY)

2015-2016 Don Messick, Currently medical student at St. George's University School of Medicine (St. George's, Grenada, West Indies)

2015-2016 Amelie Bruya, Currently physical therapy student at Rocky Mountain University of Health Professions (Provo, UT)

2015-2016 Jordan Porter, Currently research assistant at University of California San Diego (San Diego, CA)

2015-2016 Tanner Gray, Currently dental student at Roseman School of Dentistry (South Jordan, UT)

2015-2017 Jess Kudlacek, Currently research assistant at University of California San Francisco (San Francisco, CA)

2015-2017 Steven Cook

2015-2017 Kylie Treadwell, Currently physical therapy student at Angelo State University (San Angelo, TX)

2015-2017 Ryan Jensen, Currently medical student at West Virginia School of Osteopathic Medicine (Lewisburg, WV)

2015-2017 Sarah Nguyen, Currently medical student at University of Utah School of Medicine (Salt Lake City, UT)

2015-2018 Parker Cox

2015-2018 Devon Smith, Currently medical student at Oregon Health and Sciences University (Portland, OR)

2015-2018 Trevor Page

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 Chase Walton

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

2016-2018 Marshall Brown

2016-2018 Seddrick Weekes

2016-2018 Amanda Nielson

2016-2018 ReyLynn Reid

2016-2018 Devin Morris

2016-2018 Dylan Pope

2016-2018 Kevin Burningham, Currently medical student at Texas Tech University School of Medicine (Lubbock, TX)

2017-2018 Lauren Malmgren



### **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).*

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| 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-present | 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-present | Human Anatomy Lab Course Director, Department of Physiology and Developmental Biology, College of Life Sciences, Brigham Young University, Provo, UT   |
| 8/2013-present | Board Member, Magnetic Resonance Imaging Research Facility (MRIRF), Brigham Young University, Provo, UT  |
| 8/2014-present | Associate Director, Magnetic Resonance Imaging Research Facility (MRIRF), Brigham Young University, Provo, UT  |

### **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.*

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| 1993-1994 | Member, Beta Beta Beta Biological Honor Society |
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1998-present	Member, Society for Neuroscience (SfN)
1999-present	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)
2013-2014	Incoming Chair, Conference Program Planning Committee, International Association of Medical Science Educators (IAMSE)
2013-2016	Educational Affairs Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
2013-present	Academic Mentor, Society for Neuroscience (SfN)
2013-present	Member, Parametric Human Project (PHP)
2013-2014	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 and 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
2015-present	Chair, Brand Promotion and Outreach Committee, Presidential Appointee, American Association of Clinical Anatomists (AACA)
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	Faculty Development Committee, International Association of Medical Science Educators (IAMSE)
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-present Loan Repayment Program Ambassador, National Institutes of Health (NIH)

**Editorial Boards:**

2008-present Reviewer, NeuroImage  
2008-present 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-present Reviewer, Schizophrenia Bulletin  
2012-present Reviewer, MedEdPORTAL  
2012-present Reviewer, Journal of Anesthesia & Clinical Research  
2012-present Scientific Advisory Board, International Scholarly Research Network (ISRN) – Anatomy  
2013-present Reviewer, Local and Regional Anesthesia  
2013-present Scientific Advisory Board, Primal Pictures  
2014-present Editorial Board, Journal of Medical Education and Curricular Development (JMECD)  
2014-present Reviewer, Anatomical Record  
2016-present Guest Editor, Diagnostics (Special Issue "Alzheimer's Disease Imaging Biomarkers")

**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, ZNS1 SRB-N 04, EUREKA, 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)

Foundation:

2016-present 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 at Brigham Young University, and through the universities of 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 in Salt Lake City, UT. Through the mentoring of faculty in my academic societies, it has become a growing national program, with universities and schools participating in Utah, California, Florida, New Mexico, Texas, Iowa, Arizona, and New York.*

- 9/2014-present 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: \$40,000  
Role: Principal Investigator
- 8/2017-7/2018 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  
Role: Co-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

**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) 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: Kenechukwu 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
- 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
- 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  
Role: Principal Investigator
- 1/2017-12/2017 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  
Role: Principal Investigator
- 2/2017-1/2018 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  
Role: Principal Investigator
- 5/2017-5/2018 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  
Role: Principal 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. I was invited to deliver all of these presentations.*

- 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*]

**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. I was invited to deliver almost all of these presentations.*

- 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 (AACCA), Honolulu, HI [*platform*]
- July 2011 Statistical Mapping of the Cervical Sympathetic Chain. American Association of Clinical Anatomists (AACCA), 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, 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]*

**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. I was invited to deliver some of these presentations.*

- 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]*

### 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 channels focus 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.*

#### Original, Peer Reviewed Articles:

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.
7. Whitcher B, **Wisco JJ**, Hadjikhani N, Tuch DS. Statistical group comparison of diffusion tensors via multivariate hypothesis testing. *Mag Res Med* 2007; 57(6):1065-1074.
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. PMID: PMC2034662.
9. Whitcher B, Tuch DS, **Wisco JJ**, Sorensen, AG, Wang L. Using the wild bootstrap for quantifying variability in single-subject diffusion tensor MRI. *Hum Brain Mapp* 2008; 29(3):346-362. PMC Journal - in process.
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. PMID: PMC2605721.

11. **Wisco JJ**, Rosene DL, Killiany RJ, Moss MB, Warfield SK, Egorova S, Wu Y, Liptak Z, Warner J, Guttmann CRG. A rhesus monkey reference label atlas for Template Driven Segmentation (TDS). *J Med Primatol* 2008; 37(5):250-260. PMID: PMC2724263.
12. Sedlmayr JC, Kirsch CFE, **Wisco JJ**. The human temporalis muscle: superficial, deep and zygomatic parts comprise one structural unit. *Clin Anat* 2009; 22(6):655-664.
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
14. Novak SH, Quinn M, Canan T, Metten S, **Wisco JJ**, Wimmers PF, Uijtdehaage S. Student creativity in medical school curriculum development. *Medical Education Online* 2011; 16: 7252 - DOI: 10.3402/meo.v16i0.7252.
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.
20. Ajijola OA, **Wisco JJ**, Lambert HW, Mahajan A, Stark ME, Fishbein MC, Shivkumar K. Extra-cardiac neural remodeling in humans with cardiomyopathy. *Circulation: Arrhythmia and Electrophysiology* 2012 Oct;5(5):1010-116.
21. Chang Y, Cantelmi D, **Wisco JJ**, Fattah A, Hannam AG, Agur A. Evidence for the functional compartmentalization of the temporalis muscle: A 3-dimensional study of innervation. *J Oral Maxillofac Surg*. 2013 Jul;71(7):1170-7.
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.
24. **Wisco JJ**, Young S, Rabedeaux P, Lerner SD, Wimmers PF, Byus C, Guzman CR. Student perceived value of anatomy pedagogy, Part I: Prosection or dissection? *J Med Edu Curr Devel*. 2015;1(2):15-20.
25. Guzman CR, Young S, Rabedeaux P, Lerner SD, Wimmers PF, Byus C, **Wisco JJ**. Student perceived value of anatomy pedagogy, Part II: Clinical practice and assessment. *J Med Ed Curr Dev* 2015;1(2):21–25.
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.
27. Nazaran A, **Wisco JJ**, Hageman N, Schettler SP, Wong A, Vinters HV, Teng C-C, Bangerter NK. Methodology for computing white matter nerve fiber orientation in human histological slices. *Journal of Neuroscience Methods*. 2016;261:75-84. doi: <http://dx.doi.org/10.1016/j.jneumeth.2015.11.023>.
28. Tanner K, Dromey C, Berardi ML, Mattei LM, **Wisco JJ**, Hunter EJ, Smith ME. Effects of Voice-Sparing Cricotracheal Resection on Phonation in Adult Women. *Laryngoscope*. 2016 Nov 24. doi: 10.1002/lary.26429.
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.

30. Poornejad N, Buckmiller E, Schaumann L, Wang H, **Wisco JJ**, Roeder B, Reynolds P, Cook A. Re-epithelialization of whole porcine kidneys with renal epithelial cells. *J Tissue Eng* 2017; 8:1-11. <http://journals.sagepub.com/doi/full/10.1177/2041731417718809>.
31. Lindsley JE, Abali EE, Bikman BT, Cline SD, Fulton T, Lopez B, Rosenthal OD, Uhley VE, Weintraut RJ, Williams DP, **Wisco JJ**, Thompson K. What nutrition-related knowledge, skills and attitudes should medical students develop? *Med Sci Edu* 2017 27: 579. <https://doi.org/10.1007/s40670-017-0476-3>.
32. Lassetter JH, Macintosh CI, Williams M, Ray G, Driessnack M, **Wisco JJ**. Psychometric testing of the healthy eating and physical activity self-efficacy questionnaire and the healthy eating and physical activity behavior recall questionnaire for children. *J Spec Pediatr Nurs* 2018;e12207. <https://doi.org/10.1111/jspn.12207>.
33. Smith DT, Cook SL, Gillespie MA, Stevens KA, Reynolds HC, Hurd RC, **Wisco JJ**. High-speed video capture of anterior cruciate ligament tearing in human and porcine ex vivo specimens. *Biol Eng Med* 2018; 3(2): 1-4. doi: 10.15761/BEM.1000137.

#### Web Publications and Videos:

1. BYU Anatomy TA's YouTube Playlist  
<https://www.youtube.com/channel/UChjIkb7eIG0J84B7EVM8WAg>
2. BYU Physiology TA's YouTube Playlist  
<https://www.youtube.com/channel/UCPe3bfqOVvWGAermIiuA0Rg>
3. VRS DigitalAnatomy YouTube Playlist  
[https://www.youtube.com/channel/UC\\_MraF\\_NV00knNt7KgztqGQ](https://www.youtube.com/channel/UC_MraF_NV00knNt7KgztqGQ)

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

##### Case Reports:

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).
4. Stark ME, Dell MM, **Wisco JJ**. A rare case of a palmaris profundus. *IJAV* 2010; 3:36-38.
5. Wu B, Bluth B, Stark ME, **Wisco JJ**. The Cleidosternohyoid: A Fifth Infrahyoid Muscle? *IJAV* 2010; 3:183-185.
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7. Kuvhenguhwa M, Kotter H, **Wisco JJ**. Congenital bilateral absence of the flexor digitorum longus muscle. *Clin Anat* 2012 Nov;25(8):963-5.
8. Harvey JA, Call Z, Peterson K, **Wisco JJ**. Weave Pattern of Accessory Heads to the Anterior Digastric Muscle. *Surg Radiol Anat* 2015 Oct;37(8):1001-4.

##### 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. Ziyang 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)
25. 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. American Society of Neuroradiology (ASNR) Abstr 2010. (platform presentation)
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 (AACCA). 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)
108. Anderson DC, Zibetti K, Schmalz N, Stark ME, **Wisco JJ**. 3D MicroScribe analysis of the gluteus medius and hip rotator muscles. American Association of Clinical Anatomists (AACA). Clin Anat 2014;27:1304-1329 (poster)
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
119. Poornejad N, Fronk C, House M, Kirkham W, Holden G, Nielson JJ, **Wisco JJ**, Roeder BL, Cook AD. Determining the integrity of decellularized porcine kidney scaffolds. *Tissue Engineering*. 2014;20:S1;S-63.
120. Jorgensen AM, Avondet MR, Gardiner B, Robison S, **Wisco JJ**. MicroScribe 3D analysis of the rotator cuff muscles compared to MRI reconstruction of the same muscles. American Association of Anatomists (AAA) Abstr 2015 (poster)
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 (AACCA) 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 (AACCA) 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 (AACCA) 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 (AACCA) 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, Bangerter 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, Bangerter 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. Hobbs LK, Stevens NM, Richter K, Anderson M, Johnson P, Muncy N, Doxey CR, Wang H, Hartley R, Davis K, 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)
170. 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)

171. 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)
172. 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)
173. 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)
174. 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)
175. 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)
176. 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.
177. 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)
178. 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)
179. 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)
180. 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)
181. 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)
182. 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)
183. 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 (AACCA) Abstr 2018. (poster)
184. Langford SJ, **Wisco JJ**. Anatomy Pedagogy through the Lens of Second Language Learning. American Association of Clinical Anatomists (AACCA) Abstr 2018. (oral presentation)
185. Later DM, **Wisco JJ**. Mapping the Anatomical Variations of Subcutaneous Nerves Surrounding the Knee. American Association of Clinical Anatomists (AACCA) Abstr 2018. (poster)

186. 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 (AACCA) Abstr 2018. (oral presentation)
187. 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)

### **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. <http://www.medsch.ucla.edu/angel/default.asp>
8. **Wisco JJ**. Gross Anatomy Collections: Heart and Mediastinum. UCLA Medical School Website. 2010-2011. <http://www.medsch.ucla.edu/angel/default.asp>
9. **Wisco JJ**. Gross Anatomy Collections: Upper Airway. UCLA Medical School Website. 2010-2011. <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>
11. **Wisco JJ**. Gross Anatomy Collections: Male Pelvis. UCLA Medical School Website. 2010-2011. <http://www.medsch.ucla.edu/angel/default.asp>
12. **Wisco JJ**. Gross Anatomy Collections: Female Pelvis. UCLA Medical School Website. 2010-2011. <http://www.medsch.ucla.edu/angel/default.asp>
13. **Wisco JJ**, Payne S. The Extraocular Muscles. 2011. <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.
19. **Wisco JJ**. CN II: Optic Nerve. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
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.
34. **Wisco JJ.** Lymphatics: Thorax. In: Morton D (Ed.), AnatomyOne. Amirsys: Salt Lake City, UT, 2011.
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.
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, Bangerter 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).