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- Facilitated interactive lectures for up to 35 first-year Occupational Therapy students
  - Meninges and Ventricles
  - Spinal Cord and Brainstem
  - Diencephalon and Telencephalon

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- Basal Nuclei
- Neurophysiology

Anatomical Basis for Human Movement

May 2023 – August 2023

- Led interactive lectures for up to 90 first-year Physical and Occupational therapy students on:
  - Introduction to Nervous System (50 min)
  - Brachial Plexus (45 min)
  - Posterior Leg and Knee Joint (110 min)
  - Cubital Fossa and Elbow Joint (50 min)
  - Forearm (110 min)
  - Muscles of Mastication, Facial Expression, and Temporomandibular Joint (90 min)
- Facilitated student-led cadaveric dissections in conjunction with lecture content
- Delivered

- Delivered active learning review sessions in a team dynamic with multiple facilitators to cover neuroanatomy, clinically relevant neural pathways, and pathology in preparation for NBME and STEP 1 exams
- Facilitated case-based learning sessions alongside clinicians (16, 45 min sessions)
- Created, administered, and evaluated written exam questions
- Provided support to the course director as needed

Medical Gross and Developmental Anatomy Neow6 (edu Tc 5125.101K (e8s520B)P2Dac01r (A)Tc -0s)Th)-2..3 (A)

- Educated up to 170 first-year medical and graduate students in human anatomy and embryology using cadaveric laboratory sessions
- Led interactive lectures for up to 170 first-year medical students on:
  - Muscles of Facial Expression and CN VII (50 min)
  - Muscles of Mastication, Infratemporal Fossa, and Mandibular Branch of Trigeminal Nerve (50 min)
- Created and facilitated interactive STEP-style review sessions with other TA for the course (3, 50 min sessions)

- Trn/LBod10.6



## Invited Lectures and Workshops

SciComm Bootcamp Workshop, USA

October 22, 2024

- Lead facilitator for workshop centered around improving scientific communication to non-scientific or differently scientific audiences through the use of improvisation theater techniques

SciComm Bootcamp Workshop, UMMC

April 4, 2024

- Lead facilitator for workshop centered around improving scientific communication to non-scientific or differently scientific audiences through the use of improvisation theater techniques

Promoting Recruitment Opportunities in Medicine with Individual Study Experiences (PROMISE)

Program, UMMC

June 14, 2023

- Constructed and delivered a condensed neuroanatomy course as an interactive introduction to

medRxiv:10.1101/2023.06.14.23281143



- Hiring and Search Committee, ISU, Student Representative 2018

### Community Engagement

- Mississippi Organ Recovery Agency, Jackson, MS (advocate) 2023
- Mosaic Summer Enrichment Cadaveric-Based Anatomy Demonstration, UMMC, MS 2023
- Lamar High School Cadaveric-Based Anatomy Demonstration, UMMC, MS 2023
- Jackson Prep School Cadaveric-Based Anatomy Demonstration, UMMC, MS 2023
- Insight Summer Enrichment Cadaveric-Based Anatomy Demonstration, UMMC, MS 2022
- Starkville High School Cadaveric-Based Anatomy Demonstration, UMMC, MS 2021
- Cadaveric Dissection Demonstration, ISU, ID 2019
- Cadaveric-Based Anatomy Demonstration, ISU, ID 2019
- Arachnid Lecture, New Albany High School, MS (presenter) 2016
- Arachnid Lecture, Tupelo Elementary School, MS (presenter) 2016
- Arachnid Lecture, Christ Covenant School, MS (presenter) 2016
- Southwest Region Pony Club Camp, St. John, AZ (instructor) 2016
- Prairie Jumpers Pony Club Camp, Fort Madison, IA (instructor) 2016
- Arachnid Lecture, Highland Bluff Elementary School, MS (presenter) 2015
- Arachnid Lecture, New Albany High School, MS (presenter) 2015
- Polocrosse Clinic, RainTree Farm, MS (instructor) 2009
- Polocrosse Clinic, Red Brick Farm, MS (instructor) 2008

**Professional Development (al Development) 2014-2019**

- My Journey to Now
- What in the world is an MSL?
- One Approach to Drug Discovery is to Start Backwards to Go Forwards
- Cultural Competence in Research
- FDA Overview and Career Opportunities

## Internships

Supervised Cadaveric Dissection; ISU, Katrina Rhett, DPT 2019

- Performed dissections on several cadaveric donors to include the following: deep and superficial back, brain and spinal cord, head and neck, thigh, leg, arm, forearm, abdominal viscera, heart and lungs

Salticidae spp. Aversion to Stripes, University of Florida 2017

- Manipulated the appearance of prey for *Anasaitis canosa* to test for an aversion or preference for striped prey versus solid colored prey
- Formulated hypotheses as to whether and/or why striped patterning on individual prey plays a role in courtship behaviors

Hippotherapy Experience, Equest Therapeutic Riding Center 2015

- Utilized horses as tools for physical therapy treatment plans to encourage motor activities in patients with autism, cerebral palsy, dementia, Down's syndrome



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