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Facilitated interactive lectures for up to 35 first-year Occupational Therapy students

o Meninges and Ventricles

Kayla V. Paylick Crh Ph University of South Alabama

Kayla V. Paylick Crh Ph University of South Alabama

Kayla V. Paylick Crh Ph

5851 USA Drive North, Mobile, AL 36608

 $\underline{kvpavlick@southalabama.edu} \mid kvpavlick@outlook.com$

Mobile: (662) 668-0125 |

- o Basal Nuclei
- o 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:
 - o Introduction to Nervous System (50 min)
 - o Brachial Plexus (45 min)
 - o Posterior Leg and Knee Joint (110 min)
 - o Cubital Fossa and Elbow Joint (50 min)
 - o Forearm (110 min)
 - o 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 512e5velow PD) (2005 P

- 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)
 - o 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) eventual (3, 50 eventual (3,

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Invited Lectures and Workshops

SciComm Bootcamp Workshop, USA

October 22, 2024

• Lead facilitator for workshop centered around improving scientific communication to nonscientific 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 nonscientific 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 mindiochsignate [PhphrigaRicgSRedichedTQ0.0 (nO)645(1)646a((tan7))4068)((c).5 ((-24)-201-1)430314(3)-2301(2-301)14068)

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

Arachnid Lecture, New Albany High School, MS (presenter)
 Polocrosse Clinic, RainTree Farm, MS (instructor)
 Polocrosse Clinic, Red Brick Farm, MS (instructor)

Cadaveric-Based Anatomy Demonstration, ISU, ID

Arachnid Lecture, New Albany High School, MS (presenter)

Arachnid Lecture, Tupelo Elementary School, MS (presenter)

Southwest Region Pony Club Camp, St. John, AZ (instructor)

Prairie Jumpers Pony Club Camp, Fort Madison, IA (instructor)

Arachnid Lecture, Highland Bluff Elementary School, MS (presenter)

Arachnid Lecture, Christ Covenant School, MS (presenter)

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2019

2016

2016

2016

2016

2016

2015

- o My Journey to Now
- o What in the world is an MSL?
- o One Approach to Drug Discovery is to Start Backwards to Go Forwards
- o Cultural Competence in Research
- o 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 syamp2.7 (an)2 (s)10.5 (t)-2.6 (o)2 ()10.9 (en)2 (co)2 (u)2.0 (co)2 (u)3.0 (u)3.0 (co)2 (u)3.0 (co)2

E-mail: anotebaert@umc.edu

Joseph Pancrazio, PhD - Vice President for Research and Professor, University of Texas, Dallas, TX

Phone: 972.883.2138

E-mail: joseph.pancrazio@utdallas.edu

Eddie Perkinsil PhD – Professor, University of (r)-1.(y)12.9 (.74.6)6.002 Tw g.002 Tw g .74.6 (y8nc)-1yy02 Twcas j2-1.7