

## ***CURRICULUM VITAE (CV)***

**MARY PISCURA, BS, PhD**

***Assistant Professor of Anatomy***  
**Department of Biomedical Sciences**

### **CONTACT INFORMATION**

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### **EDUCATION**

2022; Pennsylvania State College of Medicine (Hershey, PA), Ph.D. of Anatomy  
Department of Neural and Behavioral Sciences

2018; The Ohio State University (Columbus, OH), B.S. of Biology

### **ACADEMIC APPOINTMENTS**

2022 - present; Assistant Professor of Anatomy, Biomedical Sciences, Edward Via College of Osteopathic Medicine – Auburn Campus (Auburn, AL)

### **TEACHING EXPERIENCE**

#### **Medical School**

2022 - present; Assistant Professor, Anatomy, Edward Via College of Osteopathic Medicine – Auburn Campus (Auburn, AL)

#### **Other**

2020; Neurology Resident Lecture Series, Lecturer, Pennsylvania State College of Medicine (Hershey, PA)

2020; Advanced Musculoskeletal Lecture Series, Lecturer, Pennsylvania State College of Medicine (Hershey, PA)

2019 - 2020; Graduate Teaching Assistant, Medical Student (MS1/MS2) Anatomy Lecturer/Lab Facilitator, Pennsylvania State College of Medicine (Hershey, PA)

2019 - 2020; Graduate Teaching Assistant, Physician Assistant (PAS) Anatomy 701, 702, 703 Lecturer/Lab Facilitator, Pennsylvania State College of Medicine (Hershey, PA)

2017 - 2018; Undergraduate Teaching Assistant, Anatomy 2300 Lab Facilitator, The Ohio State University (Columbus, OH)

### **PROFESSIONAL AFFILIATIONS**

2022 - present; Member of the American Association for Anatomy

## MENTORING ACTIVITIES

### Research Mentorship

*DO with Research Distinction*

*Advisor: Kaylee Burlingame, OMSII*

*Committee Member: Ally Harvey, OMSII*

## INSTITUTIONAL SERVICE

*2021 – 2022; Graduate Student Organization (GSO) Member, Marshall University  
(Huntington, WV)*

*2019 – 2022; Penn State Addiction Center for Translation (PSACT), Pennsylvania State  
College of Medicine (Hershey, PA)*

*2019 – 2020; Graduate Student Association (GSA) Fundraising Committee Member,  
Pennsylvania State College of Medicine (Hershey, PA)*

## GRANTS and CONTRACTS

### Active

AAA Innovations Grant 01/01/23-12/31/24

PIs: Dr's Jenna Hagerty, Norbert Myslinski, Dana Peterson, Mary Piscura

The Anato-Bee: A Scholastic Competition in the Anatomical Sciences for High School Students. The goal of this work is to establish a high-school outreach opportunity for anatomy, with accompanying studies that will assess its outcomes on perception of STEM and interest in anatomy.

Role: Co-PI

Total award \$50,000

KKN National Network for Flourishing in Medicine Grant 02/01/23-06/01/24

PI: Dr. William Pearson

Flourishing Approach to Physician Formation. The goal of this work is to identify and implement new strategies that promote faculty, staff, and student flourishing.

Role: Faculty Lead (0.02 FTE) for Introducing a Flourishing Approach to Anatomy Teams to American Association for Anatomy

## PUBLICATIONS

### Peer-Reviewed Journal Articles

**Piscura MK**, Sepulveda DE, Maulik M, Guindon J, Henderson-Redmond AN, Morgan DJ. Cannabinoid tolerance in S426A/S430A x beta-arrestin 2 knock-out double mutant mice. *Journal of Pharmacology and Experimental Therapeutics*. 2023;385(1):17-34. doi:10.1124/jpet.122.001367

Henderson-Redmond AN, Sepulveda DE, Ferguson EL, Kline AM, **Piscura MK**, Morgan DJ. Sex-specific mechanisms of tolerance for the cannabinoid agonists CP55,940 and delta-9-tetrahydrocannabinol ( $\Delta$ 9-THC). *Psychopharmacology (Berl)*. 2022 May;239(5):1289-1309. doi: 10.1007/s00213-021-05886-9. Epub 2021 Jun 24. PMID: 34165606; PMCID: PMC8702575.

Orellana ER, **Piscura MK**, Horvath N, Hajnal A. Differential Response in Ethanol Behaviors of Female Rats Given Various Weight Loss Surgeries. *Alcohol*

*Alcohol*. 2021 Aug 30;56(5):599-604. doi: 10.1093/alcalc/agab054. PMID: 34343232.

Henderson-Redmond AN, Nealon CM, Davis BJ, Yuill MB, Sepulveda DE, Blanton HL, **Piscura MK**, Zee ML, Haskins CP, Marcus DJ, Mackie K, Guindon J, Morgan DJ. *c-Jun N terminal kinase signaling pathways mediate cannabinoid tolerance in an agonist-specific manner*. *Neuropharmacology*. 2020 Mar 1;164:107847. doi: 10.1016/j.neuropharm.2019.107847. Epub 2019 Nov 20. PMID: 31758947; PMCID: PMC8190707.

## PROFESSIONAL PRESENTATIONS

VCOM-Auburn Sixth Annual Research Recognition Day, Oral Presenter and Panel Moderator (Auburn, AL). 2023.

Marshall University Student Research and Creativity Symposium, Oral Presenter (Huntington, WV). 2022.

Marshall University Research Day, Oral Presenter (Huntington, WV). 2021.

Indiana University Gill Symposium, Data Blitz Presenter (Virtual). 2021.

## PUBLISHED ABSTRACTS

**Piscura MK** and Pearson WG. Pipelines to Platforms: Examples of Formative Assessments that Encourage Student Agency in the Anatomy Lab. To be published in *Anatomical Sciences Education*. Presented at *American Association for Anatomy at Anatomy Connected* (Washington, DC). 2023.

Hagerty J, **Piscura MK**, Myslinski N, and Peterson D. Anato-Bee: Inspiring high school students to pursue education and careers in the anatomical sciences. To be published in *Anatomical Sciences Education*. Presented at *American Association for Anatomy at Anatomy Connected* (Washington, DC). 2023.

**Piscura MK**, Henderson-Redmond AN, Sepulveda DE, and Morgan DJ. S426/S430 phosphorylation accounts for Beta-arrestin 2-mediated desensitization for cannabinoid sensitivity and tolerance in mutant mice. *The FASEB Journal*. 2022 May 13; 36. Presented at *American Society for Pharmacology and Experimental Therapeutics (ASPET) at Experimental Biology* (Philadelphia, PA). 2022.

## OTHER ABSTRACTS

**Piscura MK**, Henderson-Redmond AN, Maulik M, DeSchepper K, Lulek CF, Guindon J, Morgan DJ. Mutant mice expressing an internalization-resistant form of CB1R display enhanced cannabinoid tolerance. Presented at *Neuroscience 2022. Society for Neuroscience*. (San Diego, CA). 2022.

**Piscura MK**, Sepulveda DE, Henderson-Redmond AN, Morgan DJ. S426/S430 phosphorylation accounts for Beta-arrestin 2-mediated desensitization for cannabinoid sensitivity and tolerance in mutant mice. Presented at *Gordan Research Conference: Cannabinoid Function in the CNS*. (Ventura, CA). 2021.