CURRICULUM VITAE

**Jason M Organ, PhD, FAAA**

(Last Updated: July 28, 2025)

NAME: Jason Michael Organ

RANK: Professor (with tenure)

DEPT: Anatomy, Cell Biology & Physiology

DATE OF INITIAL APPOINTMENT TO CURRENT RANK: July 1, 2025

DATE OF INITIAL APPOINTMENT AT IUSM: September 1, 2012

AREA OF EXCELLENCE: Teaching

**EDUCATION:**

BA

University of Missouri, Columbia, MO

Department of Anthropology

1995-1999

MA

University of Missouri, Columbia, MO

Department of Anthropology

1999-2002

PhD

Johns Hopkins University School of Medicine, Baltimore, MD

Center for Functional Anatomy & Evolution

2002-2007

Postdoctoral Research Fellowship

Johns Hopkins University School of Medicine, Baltimore, MD

Kennedy Krieger Research Institute and Department of Physical Medicine & Rehabilitation

2007-2008

**ACADEMIC APPOINTMENTS:**

Assistant Professor, Basic Sciences Educator (Non-Tenure Track)

Saint Louis University School of Medicine, Department of Surgery, St. Louis, MO

2008-2012

Assistant Professor

Indiana University School of Medicine (IUSM), Department of Anatomy, Cell Biology & Physiology

2012-2020

Adjunct Assistant Professor

Indiana University Purdue University – Indianapolis (IUPUI), Department of Biomedical Engineering

2016-2020

Adjunct Assistant Professor

IUPUI, Department of Anthropology

2017-2020

Adjunct Assistant Professor

IUPUI, Department of Communication Studies

2017-2020

Director, Clinical Anatomy & Physiology MS Degree Program

IUSM, Department of Anatomy & Cell Biology

2018-2024

Adjunct Associate Professor

IUPUI Department of Biomedical Engineering

2020-2024

Assistant Director, FACET Indianapolis

Indiana University

2023-2024

Faculty Member

Indiana Center for Musculoskeletal Health, IUSM

2017-present

Graduate Faculty

Indiana University

2018-present

Associate Professor

IUSM Department of Anatomy, Cell Biology & Physiology

2020-2025

Adjunct Associate Professor

IU Indianapolis (IUI, formerly IUPUI), Department of Anthropology

2020-2025

Adjunct Associate Professor

IUI, Department of Communication Studies

2020-2025

Associate Director, FACET Indianapolis

Indiana University

2024-2025

Professor

IUSM Department of Anatomy, Cell Biology & Physiology

2025-present

Adjunct Professor

IUI, Department of Anthropology

2025-present

Adjunct Professor

IUI, Department of Communication Studies

2025-present

Executive Director, FACET

Indiana University

2025-present

**OTHER APPOINTMENTS AND PROFESSIONAL CONSULTANTSHIPS** [\* in current rank]**:**

Research Collaborator

Division of Mammals, National Museum of Natural History, Smithsonian Institution, Washington, DC

2010-2013

Elected Member, Board of Directors

American Association for Anatomy

2016-2019

Director and Educator, IUSM Dept of Anatomy, Cell Biology & Physiology Outreach Exhibit

Celebrate Science Indiana (Indiana’s premier annual science festival)

2017-2020

Trainer, Science Communication Professional Development

Office of Faculty Affairs, Professional Development & Diversity, IUSM

2018-2022

Co-Curator, Online Teaching Resources Community—AnatomyConnected

American Association for Anatomy

2020-2021

Associate Editor for Social Media

Anatomical Sciences Education journal

2020-2022

Academic (Associate) Editor

PLOS One journal

2021-2022

Associate Editor

The Anatomical Record journal

2022

\*Editorial Board Member

The Anatomical Record journal

2012-present

\*Director, Science Communication Boot Camp Training Program

American Association for Anatomy

2019-present

\*Teaching Consultant and Peer Reviewer

Office of Faculty Affairs, Professional Development & Diversity, IUSM

2020-present

\*Member, External Advisory Board

Biomedical Visualization Certificate Program, University of British Columbia

2020-present

\*Translating Research into Practice (TRIP) Scholar

Indiana University Indianapolis

2020-present

\*Editor in Chief

*Anatomical Sciences Education* journal (asejournal.com)

2023-present

\*Visiting Research Staff

Anatomical Museum, The University of Edinburgh, UK

2023-present

**PROFESSIONAL ORGANIZATION MEMBERSHIPS** [\* in current rank]:

Organization: American Association of Clinical Anatomists

Years: 2009-2011

American Society for Bone and Mineral Research

2013-2015

American Society of Biomechanics

2014-2015

\*American Association of Biological Anthropologists

2000-present

\*American Association for Anatomy

2004-present

\*Sigma Xi Research Society

2005-present

\*Society for Integrative and Comparative Biology

2011-present

\*American Association for the Advancement of Science

2016-present

\*The Anatomical Society (UK)

2018-present (Full Member)

\*International Association of Medical Science Educators

2022-present

\*Australian and New Zealand Association of Clinical Anatomists

2023-present

**PROFESSIONAL HONORS AND AWARDS:**

**PROFESSIONAL HONORS AND AWARDS IN TEACHING** [\* in current rank]

Award: Basmajian Award

Society: American Association for Anatomy

Year: 2018

Prestigious External Award Recognition (PEAR) Award

IUPUI

2018

Trustees’ Teaching Award

Indiana University School of Medicine

2018

Seifert Anatomical Sciences Statewide Outstanding Educator Award

Indiana University School of Medicine, Dept of Anatomy, Cell Biology & Physiology

2019

Induction into Faculty Academy for Excellence in Teaching (FACET)

Indiana University

2021

*FACET is the service-oriented teaching academy of Indiana University. It is an IU Presidential Initiative to promote and sustain teaching excellence and is reserved for the elite educators at IU. Each year approximately 20-25 candidates from across all IU campuses, and representing a wide range of academic disciplines, are selected as new members.*

Trustees’ Teaching Award

Indiana University School of Medicine

2021

Science Communication and Public Engagement Award

American Association for Anatomy

2024

*This award recognizes an AAA member for an outstanding body of work in science communication and public engagement around the anatomical sciences.*

Fellow of the American Association for Anatomy (FAAA)

American Association for Anatomy

2024

*The rank of fellow of the American Association for Anatomy (FAAA) is designed to honor distinguished members who have demonstrated excellence in science and in their overall contribution to the anatomical sciences. Fellows are in the top 10% tier of all eligible AAA members.*

**PROFESSIONAL HONORS AND AWARDS IN RESEARCH**

Award: Student Travel Award

Society: American Association for Anatomy

Year: 2006

Mildred Trotter Prize for Outstanding Research

American Association of Biological Anthropologists

2006

Ruth Kirschstein National Research Service Award Postdoctoral Fellow

Kennedy Krieger Institute/Johns Hopkins University School of Medicine

2007-2008

National Institutes of Health Loan Repayment Program Recipient

Johns Hopkins University/Saint Louis University

2008-2010

Early Career Faculty Travel Award

American Association for Anatomy

2011

Keith & Marion Moore Early Career Anatomist Publication Award

American Association for Anatomy

2011

Short-Term Visiting Scholarship

American Association for Anatomy

2013

**PROFESSIONAL HONORS AND AWARDS IN PUBLISHING** [\* in current rank]

Award: APEX Award for Publication Excellence – Magazines, Journals & Tabloids – Writing (entire issue)

Society: Communication Concepts

Year: 2023

*[The Anatomical Record](https://anatomypubs.onlinelibrary.wiley.com/journal/19328494) (Heather Smith, Editor-in-Chief; Jason Organ, Guest Editor; and Jeffrey Laitman, Senior Associate Editor) won recognition from peers in the publishing industry with an APEX 2023 Award of Publication Excellence in the “Magazines, Journals & Tabloids – Writing (Entire Issue)” category for my Special Issue “*[*Evolution of a Discipline - The Changing Face of Anatomy*](https://anatomypubs.onlinelibrary.wiley.com/toc/19328494/2022/305/4)*”. APEX Awards are based on excellence in graphic design, editorial content, and the ability to achieve overall communications excellence. APEX Awards of Excellence recognize exceptional entries in each of the individual subcategories and are considered among the most prestigious awards in the publishing industry.*

APEX Award for Publication Excellence – Magazines, Journals & Tabloids – Most Improved

Communication Concepts

2024

[*Anatomical Sciences Education*](mailto:asejournal.com) *(Jason Organ, Editor-in-Chief; and Kim McKay, Managing Editor) won recognition from peers in the publishing industry with an APEX 2024 Award of Publication Excellence in the “Most Improved” category for the redesign of the journal cover from 2022 (*[*ASE 15:5*](https://anatomypubs.onlinelibrary.wiley.com/doi/epdf/10.1002/ase.2103) *and* [*ASE 15:6*](https://anatomypubs.onlinelibrary.wiley.com/doi/epdf/10.1002/ase.2231)*) to 2023/2024 (*[*ASE 16:1*](https://anatomypubs.onlinelibrary.wiley.com/doi/epdf/10.1002/ase.2188) *and* [*ASE 17:2*](https://anatomypubs.onlinelibrary.wiley.com/doi/epdf/10.1002/ase.2395)*).*

\*APEX Award for Publication Excellence – Magazines, Journals & Tabloids – Writing (Entire Issue)

Communication Concepts

2025

[*Anatomical Sciences Education*](mailto:asejournal.com) *(Jason Organ, Editor-in-Chief; Joy Balta, Guest Editor; and Kim McKay, Managing Editor) won recognition from peers in the publishing industry with an APEX 2025 Award of Publication Excellence in the “Magazines, Journals & Tabloids – Writing (Entire Issue)” category for the Special Issue “*[*The Intersection of Anatomy & Spirituality*](https://anatomypubs.onlinelibrary.wiley.com/toc/19359780/2024/17/8)*”.*

**PROFESSIONAL DEVELOPMENT** [\* in current rank]

Workshop: Workshop on Muscle Physiology

Provider: National Skeletal Muscle Research Center, University of California – San Diego

Date: June 2013

Scientist Communication Boot Camp

Alan Alda Center for Communicating Science, Stony Brook University, NY

June 2017

Anatomy Education Research Institute

American Association for Anatomy, Indiana University, Bloomington, IN

July 2017

National Research Mentor Network (NRMN) Facilitating Mentor Training Workshop

NRMN and Indiana University School of Medicine

September 2018

Developing and Elevating Leaders with Tools for Advancement (DELTA)

American Association for Anatomy, Tufts University, Boston, MA

June 2023

*The DELTA Program provides a longitudinal, mentored, leadership professional development opportunity for AAA members. DELTA Fellows are paired with mentors to meet with throughout the program, during the 3-day retreat and periodically throughout the year, as they work through their leadership goals. The program culminates with Fellows presenting their leadership and personal accomplishments to the rest of the DELTA cohort at the 2024 AAA meeting. DELTA Fellows become equipped with critical skills for career advancement, continued professional development and increased engagement within AAA. I am serving as a DELTA mentor for two DELTA fellows for the 2023-2024 cycle.*

**TEACHING** [\* in current rank; Only teaching at IUSM/IUPUI is included here]

**ANATOMICAL/MEDICAL SCIENCE COURSES**

Course: ANAT-D 503/850 Medical/Doctor of Physical Therapy Human Gross Anatomy

Institution: Indiana University School of Medicine

Role: Laboratory Instructor

Term: Fall 2012 (189 students)

Course Director: Mark Seifert

*In this team-taught course, I attended all lectures and provided ~40 hours of hands-on dissection laboratory instruction for the regional anatomy of the lower limb, head, and neck. I also tagged structures for and proctored 2 laboratory practical exams, and proctored the NBME final exam for this course.*

ANAT-D 528 Physician Assistant Human Gross Anatomy

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Summer 2013 (44 students)

Course Director: Ron Shew

*In this team-taught course, I delivered 2 lectures (1 hour each) and provided ~6 hours of hands-on dissection laboratory instruction for the regional anatomy of the neck. I also wrote exam questions for the same material.*

ANAT-D 503/850 Medical/Doctor of Physical Therapy Human Gross Anatomy

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2013 (199 students)

Course Director: Mark Seifert

*In this team-taught course, I delivered 2 lectures (1 hour each) and provided ~80 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, head, and neck. I also wrote exam questions for the same material, tagged structures for and proctored 2 laboratory practical exams, proctored the NBME final exam, and graded answers to 1 practical exam.*

ANAT-D 528 Physician Assistant Human Gross Anatomy

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Summer 2014 (45 students)

Course Director: Ron Shew

*In this team-taught course, I delivered 2 lectures (1 hour each) and provided ~6 hours of hands-on dissection laboratory instruction for the regional anatomy of the neck. I also wrote exam questions for the same material.*

ANAT-D 503/850 Medical/Doctor of Physical Therapy Human Gross Anatomy

Indiana University School of Medicine

Laboratory Instructor

Fall 2014 (191 students)

Course Director: Adam Wilson

*In this team-taught course, I provided ~80 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, lower limb, and pelvis. I also tagged structures for 3 laboratory practical exams, proctored 2 laboratory practical exams, and graded answers to 1 practical exam.*

ANAT-D 528 Physician Assistant Human Gross Anatomy

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Summer 2015 (44 students)

Course Director: Ron Shew

*In this team-taught course, I delivered 2 lectures (1 hour each) and provided ~6 hours of hands-on dissection laboratory instruction for the regional anatomy of the neck. I also wrote exam questions for the same material.*

ANAT-D 503/850 Medical/Doctor of Physical Therapy Human Gross Anatomy

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2015 (199 students)

Course Director: Mark Seifert

*In this team-taught course I delivered 2 lectures (1 hour each) and provided ~80 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, lower limb, and pelvis. I also tagged structures for and proctored 2 laboratory practical exams.*

MED-X 620/ANAT-D 850 Medical/Doctor of Physical Therapy Human Structure

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2016 (181 students)

Course Director: Mark Seifert

*In this team-taught course I delivered 5 one-hour lectures and 2 two-hour lectures on the regional anatomy of the upper limb, and ~25 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, and abdomen. I also tagged structures for and proctored 2 laboratory practical exams.*

MED-X 620/ANAT-D 850 Medical/Doctor of Physical Therapy Human Structure

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2017 (179 students)

Course Director: Andrew Deane

*In this team-taught course, I delivered 3 one-hour lectures and 2 ninety-minute lectures on the regional anatomy of the lower limb, and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams.*

93DA750 Advanced Regional Gross Anatomy

Indiana University School of Medicine

Laboratory Instructor

Fall 2017 (6 students)

Course Director: Andrew Deane

*This course is designed for senior medical students who have chosen (or are in the later stages of choosing) their clinical area of post-graduate medical specialty. Students enrolled in this course prepare prosections and assist in teaching for MED-X620/D850. I supervised four 3-hour regional prosection laboratories of the lower limb in this course, correlating with the units I lectured and laboratory instructed in MED-X620/D850.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2018 (33 Students)

**Course Director: Jason Organ**

*In this team-taught course, I served as course director, lecturer, and laboratory instructor. This was a new prep for me. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of hands-on dissection laboratory instruction, and designed, wrote, and graded 4 written and practical exams.*

BIOL-N 461 Cadaveric Human Anatomy

Indiana University – Purdue University Indianapolis

Course Co-Director and Laboratory Instructor

Spring 2018 (16 students)

**Course Co-Directors: Michael Yard and Jason Organ**

*This course is a human dissection course for undergraduate students at IUPUI. There are no lectures for this course—only laboratory dissections. I served as co-director of the course and as a laboratory instructor for all 81 hours of hands-on dissection instruction.*

ANAT-D 528 Human Anatomy for Health Care Professionals

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Summer 2018 (126 students)

Course Director: Margaret McNulty

*In this team-taught course, I delivered 3 one-hour lectures and 2 ninety-minute lectures on the regional anatomy of the lower limb, and 15 hours of hands-on dissection laboratory instruction for the regional anatomy pelvis, perineum, and lower limb. I also tagged structures for and proctored 1 laboratory practical exam.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2018 (145 students)

Course Director: Andrew Deane

*In this team-taught course, I delivered 3 one-hour lectures and 2 ninety-minute lectures on the regional anatomy of the lower limb, and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams.*

93DA750 Advanced Regional Gross Anatomy

Indiana University School of Medicine

Laboratory Instructor

Fall 2018 (5 students)

Course Director: Andrew Deane

*This course is designed for senior medical students who have chosen (or are in the later stages of choosing) their clinical area of post-graduate medical specialty. Students enrolled in this course prepare prosections and assist in teaching for MED-X620. I supervised four 3-hour regional prosection laboratories of the lower limb in this course, correlating with the units I lectured and laboratory instructed in MED-X620.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2019 (39 Students)

**Course Director: Jason Organ**

*In this team-taught course, I served as course director, lecturer, and laboratory instructor. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of hands-on dissection laboratory instruction, and designed, wrote, and graded 4 written and practical exams.*

BIOL-N 461 Cadaveric Human Anatomy

Indiana University – Purdue University Indianapolis

Course Co-Director and Laboratory Instructor

Spring 2019 (38 students)

**Course Co-Directors: Michael Yard and Jason Organ**

*This course is a human dissection course for undergraduate students at IUPUI. There are no lectures for this course—only laboratory dissections. I served as co-director of the course and as a laboratory instructor for all 81 hours of hands-on dissection instruction.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2019 (146 students)

Course Director: Andrew Deane

*In this team-taught course, I delivered 3 one-hour lectures and 2 ninety-minute lectures on the regional anatomy of the lower limb, and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 4 laboratory practical exams.*

93DA750 Advanced Regional Gross Anatomy

Indiana University School of Medicine

Laboratory Instructor

Fall 2019 (6 students)

Course Director: Andrew Deane

*This course is designed for senior medical students who have chosen (or are in the later stages of choosing) their clinical area of post-graduate medical specialty. Students enrolled in this course prepare prosections and assist in teaching for MED-X620. I supervised four 3-hour regional prosection laboratories of the lower limb in this course, correlating with the units I lectured and laboratory instructed in MED-X620.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2020 (47 Students)

**Course Director: Jason Organ**

*In this team-taught course, I served as course director, lecturer, and laboratory instructor. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of hands-on dissection laboratory instruction, and designed, wrote, and graded 4 written and practical exams.*

BIOL-N 461 Cadaveric Human Anatomy

Indiana University – Purdue University Indianapolis

Course Co-Director and Laboratory Instructor

Spring 2020 (28 students)

**Course Co-Directors: Michael Yard, Jason Organ & Jessica Byram**

*This course is a human dissection course for undergraduate students at IUPUI. There are no lectures for this course—only laboratory dissections. I served as co-director of the course and as a laboratory instructor for all 81 hours of hands-on dissection instruction. Mike Yard and I elevated Jessica Byram to co-director of this course to reward her for the hard work that she contributes and because we all share equal responsibilities for directing this course.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2020 (169 students – combined Indianapolis and Muncie campuses)

Course Director: Andrew Deane

*In this team-taught course, I delivered 3 one-hour lectures and 2 ninety-minute lectures on the regional anatomy of the lower limb, and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2021 (41 Students)

**Course Co-Directors: Jason Organ & Elizabeth Agosto**

*In this team-taught course, I served as course co-director, lecturer, and laboratory instructor. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of virtual dissection laboratory instruction, and designed, wrote, and graded 3 written and practical exams. This was a complete redesign of the course due to COVID-19. I elevated Elizabeth Agosto to be co-director of this course to get her the experience she needed to be successful on the job market. She was hired into an Assistant Professor of Clinical Anatomy line and remains my co-director for this course.*

ANAT-D 710 History of Anatomy

Indiana University School of Medicine

Lecturer

Spring 2021 (8 Students)

Course Director: James Brokaw

*In this team-taught course, I served as lecturer. This was a brand-new course for which I developed and delivered 2 two-hour lectures on anatomy in the Renaissance (specifically on comparing and contrasting the contributions of Leonardo da Vinci with Andreas Vesalius), and on the ethical transgressions of Nazi anatomists during the Holocaust.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2021 (169 students – combined Indianapolis and Muncie campuses)

Course Director: Andrew Deane

*In this team-taught course, I delivered 1 one-hour lecture and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams. Due to the School of Medicine’s Single Lecturer Project, all but one of my lectures was given to a faculty member at another campus.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2022 (42 Students)

**Course Co-Directors: Jason Organ & Elizabeth Agosto**

*In this team-taught course, I served as course co-director, lecturer, and laboratory instructor. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of virtual dissection laboratory instruction, and designed, wrote, and graded 3 written and practical exams. This was another complete redesign of the course due to COVID-19, where we moved back into the lab but finished fully flipping the classroom and redesigning the grading scheme using Specifications Grading.*

ANAT-D 710 History of Anatomy

Indiana University School of Medicine

Lecturer

Spring 2022 (8 Students)

Course Director: James Brokaw

*In this team-taught course, I served as lecturer. I delivered 2 two-hour lectures on anatomy in the Renaissance (specifically on comparing the contributions of Leonardo da Vinci with Andreas Vesalius), and on the ethical transgressions of Nazi anatomists during the Holocaust.*

BIOL-N 461 Cadaveric Human Anatomy

Indiana University – Purdue University Indianapolis

Course Co-Director and Laboratory Instructor

Spring 2022 (22 students)

**Course Co-Directors: Michael Yard, Jason Organ & Jessica Byram**

*This course is a human dissection course for undergraduate students at IUPUI. There are no lectures for this course—only laboratory dissections. I served as co-director of the course and as a laboratory instructor for all 81 hours of hands-on dissection instruction.*

ANAT-D 878 Anatomy Teaching Practicum

Indiana University School of Medicine

Course Director

Summer 2022 (2 students)

**Course Director: Jason Organ**

*This course provides each student with supervised teaching experiences in gross anatomy, histology, and/or neuroscience, as well as critical reviews of all teaching duties. I observe each student’s teaching and provide formative feedback to improve their teaching skills.*

BIOL-N 461 Cadaveric Human Anatomy

Indiana University – Purdue University Indianapolis

Course Co-Director and Laboratory Instructor

Fall 2022 (8 students)

**Course Co-Directors: Michael Yard, Jason Organ & Jessica Byram**

*This course is a human dissection course for undergraduate students at IUPUI. There are no lectures for this course—only laboratory dissections. I served as co-director of the course and as a laboratory instructor for all 81 hours of hands-on dissection instruction.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2022 (XX students)

Course Director: Andrew Deane

*In this team-taught course, I delivered 1 one-hour lecture and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams.*

ANAT-D 878 Anatomy Teaching Practicum

Indiana University School of Medicine

Course Director

Fall 2022 (4 students)

**Course Director: Jason Organ**

*This course provides each student with supervised teaching experiences in gross anatomy, histology, and/or neuroscience, as well as critical reviews of all teaching duties. I observe each student’s teaching and provide formative feedback to improve their teaching skills.*

ANAT-D 710 History of Anatomy

Indiana University School of Medicine

Lecturer

Spring 2023 (4 Students)

Course Director: James Brokaw

*In this team-taught course, I served as lecturer. I delivered 2 two-hour lectures on anatomy in the Renaissance (specifically on comparing the contributions of Leonardo da Vinci with Andreas Vesalius), and on the ethical transgressions of Nazi anatomists during the Holocaust.*

ANAT-D 501 Graduate Student Gross Anatomy

Indiana University School of Medicine

Course Director, Lecturer, and Laboratory Instructor

Spring 2023 (30 Students)

**Course Co-Directors: Jason Organ & Elizabeth Agosto**

*In this team-taught course, I served as course co-director, lecturer, and laboratory instructor. I delivered 18 one-and-a-half-hour lectures on the regional anatomy of the thorax, abdomen, pelvis, perineum, back, limbs, head, and neck, as well as provided ~60 hours of virtual dissection laboratory instruction, and designed, wrote, and graded 3 written and practical exams. This was another complete redesign of the course due to COVID-19, where we moved back into the lab but finished fully flipping the classroom and redesigning the grading scheme using Specifications Grading.*

ANAT-D 878 Anatomy Teaching Practicum

Indiana University School of Medicine

Course Director

Spring 2023 (3 students)

**Course Director: Jason Organ**

*This course provides each student with supervised teaching experiences in gross anatomy, histology, and/or neuroscience, as well as critical reviews of all teaching duties. I observe each student’s teaching and provide formative feedback to improve their teaching skills.*

ANAT-D 878 Anatomy Teaching Practicum

Indiana University School of Medicine

Course Director

Summer 2023 (3 students)

**Course Director: Jason Organ**

*This course provides each student with supervised teaching experiences in gross anatomy, histology, and/or neuroscience, as well as critical reviews of all teaching duties. I observe each student’s teaching and provide formative feedback to improve their teaching skills.*

MED-X 620

Indiana University School of Medicine

Lecturer and Laboratory Instructor

Fall 2023 (144 students)

Course Director: Andrew Deane

*In this team-taught course, I delivered 1 one-hour lecture and ~60 hours of hands-on dissection laboratory instruction for the regional anatomy of the back, upper limb, thorax, abdomen, pelvis, perineum, lower limb, neck, and head. I also tagged structures for and proctored 3 laboratory practical exams.*

ANAT-D 878 Anatomy Teaching Practicum

Indiana University School of Medicine

Course Director

Fall 2023 (2 students)

**Course Director: Jason Organ**

*This course provides each student with supervised teaching experiences in gross anatomy, histology, and/or neuroscience, as well as critical reviews of all teaching duties. I observe each student’s teaching and provide formative feedback to improve their teaching skills.*

**SCIENCE COMMUNICATION COURSES** [\* in current rank]

GRDM-G 655 Graduate Research Communications

Indiana University School of Medicine

Lecturer

Spring 2017 (32 students)

Course Co-Directors: Bill Sullivan and Tara Hobson

*This course is designed for first year Indiana Biomedical Science (IBMG) students. The purpose of this course is to introduce basic communication skills and concepts important in preparing scientific research findings for publication and presentation. In this course, I was scheduled to deliver 3 two-hour hands-on workshop sessions with Krista Longtin on 1) understanding and connecting with an audience in real time, 2) distilling a message into language free from jargon, and 3) communicating with the public. Unfortunately, due to an emergency medical procedure, I was only able to participate in one of the three sessions.*

COMM-C 533 Improvisation for Scientists: Communicating Science

Indiana University – Purdue University Indianapolis

Course Director and Instructor

Fall 2017 (10 students)

**Course Director: Jason Organ**

*This 1-credit course is the first of three co-requisites for the first block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). In this course, students learn to communicate effectively and responsively through a series of exercises drawn from the methods of improvisational theater. Students practice connecting to an audience, paying dynamic attention to others, reading nonverbal cues, and responding appropriately. I directed this course and provided ~15 hours of hands-on instruction in improvisational theater techniques for communicating science.*

COMM-C 534 Distilling Your Message: Communicating Science

Indiana University – Purdue University Indianapolis

Course Instructor

Fall 2017 (10 students)

Course Director: Krista Longtin

*This 1-credit course is the second of three co-requisites for the first block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). In this course, students learn to communicate clearly and vividly about complex scientific research and why it matters, in terms that non-scientists can understand. Students practice finding common ground with lay audiences and adjusting levels of message complexity for different audiences. I provided ~15 hours of hands-on instruction in message distillation for communicating science.*

ENG-W 533 Science Writing for Public Readers

Indiana University – Purdue University Indianapolis

Course Instructor

Fall 2017 (10 students)

Course Director: Mel Wininger

*This 1-credit course is the third of three co-requisites for the first block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). This course emphasizes shorter forms of writing, allowing students to discover their voices, messages, and forms appropriate for bringing scientific expertise to non-science readers. Students practice processes of response, revision, and editing to shape presentations for various readers, contexts, and paths of publication. I provided ~15 hours of hands-on writing instruction for communicating science to the public.*

GRDM-G 655 Graduate Research Communications

Indiana University School of Medicine

Lecturer

Spring 2018 (34 students)

Course Co-Directors: Bill Sullivan and Tara Hobson

*This course is designed for first year Indiana Biomedical Science (IBMG) students. The purpose of this course is to introduce basic communication skills and concepts important in preparing scientific research findings for publication and presentation. In this course, I delivered 3 two-hour hands-on workshop sessions with Krista Longtin on 1) understanding and connecting with an audience in real time, 2) distilling a message into language free from jargon, and 3) communicating with the public.*

COMM-C 535 Using Electronic Media

Indiana University – Purdue University Indianapolis

Course Director and Instructor

Spring 2018 (5 students)

**Course Director: Jason Organ**

*This 1-credit course is the first of three co-requisites for the second block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). This course trains students in the sciences and health professions to format and structure complex scientific information for a variety of electronic communication platforms including social media. I directed this course and provided ~15 hours of hands-on instruction in the use of electronic media for communicating science.*

COMM-C 536 Connecting with the Community

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2018 (5 students)

Course Director: Krista Longtin

*This 1-credit course is the second of three co-requisites for the second block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). In this course, students learn and test methods to develop common ground between scholarly experts and community members including the lay public and non-science trained policy makers. In-class activities focus on developing trust, opening lines of communication, and sharing expertise in a way that values and respects the lived experiences of community members. I provided ~15 hours of hands-on writing instruction for connecting with the community through effective communicating of science.*

ENG-W 535 Advanced Science Writing for Public Readers

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2018 (5 students)

Course Director: Mel Wininger

*This 1-credit course is the third of three co-requisites for the second block of the IUPUI/IUSM Graduate Minor in Communicating Science (approved in December 2016). This course builds on concepts covered in ENG-W 533, using writing forms appropriate for bringing scientific expertise to non-science readers. Students practice processes of response, revision, and editing to shape presentations for various readers, contexts, and paths of publication. I provided ~15 hours of hands-on writing instruction for communicating science to the public.*

COMM-C 533 Improvisation for Scientists: Communicating Science

Indiana University – Purdue University Indianapolis

Course Director and Instructor

Spring 2019 (21 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively through a series of exercises drawn from the methods of improvisational theater. Students practice connecting to an audience, paying dynamic attention to others, reading nonverbal cues, and responding appropriately. I directed this course and provided ~15 hours of hands-on instruction in improvisational theater techniques for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2020 (16 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2021 (21 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2022 (13 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2023 (20 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University – Purdue University Indianapolis

Course Instructor

Spring 2024 (21 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

COMM-C 534 Distilling Your Message: Science Policy Edition

Indiana University Indianapolis

Course Instructor

Spring 2025 (20 students)

**Course Director: Jason Organ**

*In this course, students learn to communicate effectively and responsively with policymakers using a series of exercises drawn from the methods of improvisational theater. Students learn the importance of understanding audience, distilling a message, and connecting with policymakers through empathy. I directed this course and provided ~15 hours of hands-on instruction in message distillation for communicating science.*

**GUEST LECTURES IN OTHER IU COURSES** [\* in current rank]

*Skeletal Muscle Structure and Mechanics* – April 2015, IUPUI Biomedical Engineering 54400, Musculoskeletal Biology and Mechanics. Course Director: Joey Wallace

*Muscle Physiology* – November 2016, IU School of Dentistry, SABS II Musculoskeletal Module. Module Director: Angela Bruzzaniti

*Skeletal Muscle Structure and Mechanics* – April 2017, IUPUI Biomedical Engineering 54400, Musculoskeletal Biology and Mechanics. Course Director: Joey Wallace

*Muscle Physiology* – November 2017, IU School of Dentistry, SABS II Musculoskeletal Module. Module Director: Angela Bruzzaniti

*Muscle Physiology* – November 2018, IU School of Dentistry, SABS II Musculoskeletal Module. Module Director: Angela Bruzzaniti

**TEACHING ADMINISTRATION AND CURRICULUM DEVELOPMENT** [\* in current rank]

Course Director, COMM-C 533, Improvisation for Scientists 2017-2019

Course Director, COMM-C 535, Using Electronic Media 2018

\*Course Co-Director, BIOL-N 461, Cadaveric Human Anatomy 2018-2022

(w/ M Yard & J Byram)

\*Course Director, COMM-C 534, Distilling Your Message 2020-present

\*Director, IUSM Clinical Anatomy & Physiology MS Program 2018-present

\*Course Co-Director, ANAT-D 501, Functionally Oriented Human Anatomy 2018-present

(w/ Elizabeth Agosto)

\*Co-Developer, IUPUI/IUSM Graduate Minor in Communicating Science 2016-present

(w/ K Longtin and M Wininger)

\*Course Director, ANAT-D 878, Anatomy Teaching Practicum 2022-present

**MENTORING** [\* in current rank]

*Faculty mentoring*

Jose Mas, DVM Asst Prof, IU-Northwest, mentoring committee chair 2018-20

\*Rachel Menegaz, PhD Assoc Prof, Univ North Texas, mentor 2017-present

\*Elizabeth Agosto, PhD Asst Clin Prof, IUSM, mentor 2020-present

\*Amanda Beck, DVM Assoc Prof, New York Medical College, AAA DELTA 2023-2024

\*Jill Kirby, DPT Assoc Prof, Lipscomb University, AAA DELTA 2023-present

*Graduate academic advising*

Breena Miller IUSM, Clin Anatomy & Physiol MS academic advisor 2018

Samantha Houston IUSM, Clin Anatomy & Physiol MS academic advisor 2018

Courtney Mitchell IUSM, Clin Anatomy & Physiol MS academic advisor 2018-19

Nicholas Edwards IUSM, Clin Anatomy & Physiol MS academic advisor 2018-19

Rebecca Wisner IUSM, Clin Anatomy & Physiol MS academic advisor 2018-19

Brielle Warnock IUSM, Clin Anatomy & Physiol MS academic advisor 2018-19

Clay Schnell IUSM, Clin Anatomy & Physiol MS academic advisor 2018-19

\*Humza Syed IUSM, Clin Anatomy & Physiol MS academic advisor 2018-20

\*Joanna Loniewska IUSM, Clin Anatomy & Physiol MS academic advisor 2018-20

\*Katelyn Pickerell IUSM, Clin Anatomy & Physiol MS academic advisor 2018-20

Naomi Schmalz IUSM Anatomy Educ PhD qualifying exam committee 2019

\*Samuel Garrison IUSM, Clin Anatomy & Physiol MS academic advisor 2019-20

\*Alexis Higgins IUSM, Clin Anatomy & Physiol MS academic advisor 2019-22

\*Kyle Robertson IUSM Anatomy Educ PhD advisory committee 2019-22

\*Jiajun Li IUSM IBMG PhD advisory committee 2020-21

\*Da’Quan Craven IUSM Anatomy Educ PhD advisory committee 2020-21

\*Ellen Balensiefer IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Cody Hostetler IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Maheen Khan IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Megan Kruskie IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Kalissa Remund IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Sonali Thakur IUSM, Clin Anatomy & Physiol MS academic advisor 2020-21

\*Courtney Miller† Univ North Texas (UNT) MS research advisory cmte 2020-21

\*Lewis Paton Univ of York (UK), NIHR Development committee 2020-21

\*Emily Atkinson IUSM IBMG PhD advisory committee 2020-22

\*Andrew Cale IUSM Anatomy Educ PhD advisory committee 2020-22

\*E’Staria McFerrin IUSM, Clin Anatomy & Physiol MS academic advisor 2020-23

\*Tooba Hussain†† UNT MS research advisory committee 2021-22

\*Lila Huston UNT MS research advisory committee 2021-22

\*Julia Grace Reinke IUSM IBMG PhD advisory committee 2021-22

\*Madison Clawson IUSM, Clin Anatomy & Physiol MS academic advisor 2021-22

\*John Mitchell IUSM, Clin Anatomy & Physiol MS academic advisor 2021-23

\*Dallas Kelm IUSM, Clin Anatomy & Physiol MS academic advisor 2022-23

\*Marjon Rafie IUSM, Clin Anatomy & Physiol MS academic advisor 2022-23

\*Abigail Sarabyn IUSM, Clin Anatomy & Physiol MS academic advisor 2022-23

\*Martina Trajcevska IUSM, Clin Anatomy & Physiol MS academic advisor 2022-23

\*Brenda Kucha Anak Ganeng IUSM Anatomy Educ PhD advisory committee 2022-24

\*Victoria Gomez IUSM Anatomy Educ PhD advisory committee 2022-24

\*Easter Day IUSM, Clin Anatomy & Physiol MS academic advisor 2023-24

\*Ryan Brummet IUSM, Clin Anatomy & Physiol MS academic advisor 2024

\*Anna Shafer IUSM, Clin Anatomy & Physiol MS academic advisor 2024

\*Brett Mattingly IUSM IBMG PhD advisory committee 2023-present

\*Andrew Hennigan IUSM IBMG PhD advisory committee 2023-present

*Thesis and dissertation committees*

Mark Humphrey SLU, MS committee chair 2008-10

Allyson Johnston SLU, MS committee chair 2008-11

Colleen Steinkoenig SLU, MS committee co-chair 2008-10

Naomi Schmalz SLU, MS committee chair 2010-12

Mohammad Aref IUSM-MSTP MD/PhD committee member 2016-19

Naomi Schmalz IUSM Anatomy Educ PhD, committee member 2017-22

Emily Atkinson IUSM IBMG PhD, committee member 2020-22

Kyle Robertson IUSM Anatomy Educ PhD, committee member 2020-22

Sabrina Woods IUSM Anatomy Educ PhD, committee member 2024-2025

Megan Kruskie IUSM Anatomy Educ PhD, committee member 2024-2025

\*Victoria Gomez IUSM Anatomy Educ PhD, committee chair 2024-present

\*Brenda Kucha Anak Ganeng IUSM Anatomy Educ PhD, committee member 2025-present

\*Robert Becker, Jr. IUSM Anatomy Educ PhD, committee chair 2025-present

*Research rotations*

Chetna Sethi SLU, forensics program mentor 2010-12

Jeffery Joll††† IUPUI, LHSI mentor 2013-14

Jeremy Mihajlovich IUPUI, LHSI mentor 2013-14

Andrew Srisuwananukorn†††† IUSM, SRPinAM mentor 2014

Paige Price IUSM, Project SEED 2014

Wiaam Elkhatib IUPUI, LHSI mentor 2014-15

Ben Vickery IUPUI, LHSI mentor 2014-15

Joseph Rupert IUSM, IBMG rotation mentor 2014

Cayli Meizel-Lambert IUSM, IBMG rotation mentor 2015

Adam Myers-White IUSM, SRPinAM mentor/T32 2015

Andrew Guitierrez IUSM, Project STEM 2015

Gregory Monnin IUPUI, LHSI mentor 2015-16

Lexy Chavez IUSM, Project SEED 2015-16

Morgan McLuckey IUSM, SRPinAM mentor/T32 2016

Jared Emenhiser IUPUI, LHSI mentor 2016-17

Mary Kozlowski Cardinal Ritter High School 2017

Wiaam Elkhatib IUSM, SRPinAM 2017

Tasnim Elmamoun IUPUI, LHSI mentor 2017-18

Arielle Payne††††† IUPUI, undergraduate biology student 2018

Karolina Perschbacher IUPUI, undergraduate anatomy student 2018

Samantha Houston IUSM, Clinical Anatomy MS student 2018

Breena Miller IUSM, Clinical Anatomy MS student 2018

Isabel Weber IUSM, Project STEM 2018

Kesha Bhatt IUPUI, LHSI mentor 2019-20

Jessica Rech IUPUI, LHSI mentor 2020-21

Dallas Kelm IUSM, Clinical Anatomy & Physiology MS student 2022

Rachel Gross IUSM medical student 2022

SLU – Saint Louis University School of Medicine

LHSI – Life-Health Sciences Internship Program for IUPUI undergraduates

MSTP – Medical Scientist Training Program

SRPinAM – Student Research Program in Academic Medicine for IUSM medical students

SEED – Indianapolis Project SEED Program for high school students

STEM – Indianapolis Project STEM Program for high school students

T32 – Comprehensive Musculoskeletal Training Program (Burr/Robling NIH T32AR065971)

NIHR – National Institute for Health Research (United Kingdom)

DELTA – Developing and Elevating Leaders with Tools for Advancement (AAA program)

†Courtney was awarded 1st Prize in the AAA graduate student poster competition at Experimental Biology 2021.

††Tooba was awarded 1st Prize in the AAA Langman graduate student podium presentation competition at Experimental Biology 2022. She was also awarded the 2024 AAA Early Career Anatomists’ Publication Award for a paper we published together in *The Anatomical Record*.

†††Jeffery was awarded an IUPUI Undergraduate Research Opportunity Program (UROP) grant in April 2014, “Effects of multidirectional, off-axis loading exercises on musculoskeletal biomechanical properties”. This small grant supported his travel to EB2015 to present the results of this project in a poster presentation. Jeff was a finalist for a AAA undergraduate poster prize at Experimental Biology 2015.

††††Andrew was awarded 3rd Prize in the SRPinAM Oral Presentation Competition.

†††††Arielle was a finalist for a AAA undergraduate poster prize at Experimental Biology 2018.

**GRANTS/FELLOWSHIPS IN TEACHING** [\* in current rank]:

**ACTIVE GRANTS IN TEACHING**

Agency: \*American Association for Anatomy – Innovations Grant Program (J Philp, K Sanders, **JM Organ**)

Title: AAA anatomy nights: developing resources for public engagement with anatomy

Role: Co-PI (no salary listed)

Costs: $25,000 (no indirect costs allowed)

Dates: 01/01/2023 – 12/31/2027

**COMPLETED GRANTS IN TEACHING**

Agency: IUPUI Center for Teaching and Learning [CTL] (K Longtin, **JM Organ**, M Wininger)

Title: Curriculum enhancement grant: graduate minor in communicating science

Role: Co-PI

Costs: $15,000 (plus $15,000 match from PI/Co-PI departments)

Dates: 2016-17 academic year

IUPUI Center for Teaching and Learning [CTL] (**JM Organ**, AS Deane)

Flipping Classrooms in Graduate Anatomical Sciences Courses

PI

$4,670 (plus $5,000 match from PI/Co-PI department)

05/01/2019 – 06/30/2020

IU Consortium for the Study of Religion, Ethics, and Society (A Comer, **JM Organ**)

Reflecting on 75 Years Since the Liberation of Auschwitz: The Lasting Impact of the Nazi Regime on Medical Research

$3,000 to fund programming (+$1,500/investigator)

Co-PI (no salary listed)

01/01/2019 – 12/31/2020

IU Consortium for the Study of Religion, Ethics, and Society (K Hoffmann-Longtin, **JM Organ**)

A faith leader and a scientist walk into a bar: building productive conversations about faith and science

$3,000 to fund programming (+$1,500/investigator)

Co-PI (no salary listed)

06/01/2019 – 12/31/2020

Anatomical Society

Public Engagement and Outreach Grant: Anatomical Models for Use at Annual Celebrate Science Indiana Exhibit in Anatomy, Cell Biology & Physiology

PI (no salary listed)

£264 ($343) – returned due to Covid

08/01/2020 – 09/30/2020

American Association for Anatomy – Innovations Grant Program (**JM Organ**, K Longtin)

AAA Science Communication Bootcamp

PI (no salary listed)

$50,000 (no indirect costs allowed)

01/01/2018 – 12/31/2023 (extended 1 year due to COVID)

**SUBMITTED GRANTS IN TEACHING – UNFUNDED**

Agency: NSF ITEST 1038164 (M Patankar, P Kelly, P Turner, **JM Organ**, MR Grant)

Title: Collaborative Research: SLU-STEM – Expanding SCIENCE and strengthening minds through the Adventures in Medicine & Science (AIMS) Program of Saint Louis University

Role: Co-PI (no salary listed)

Submitted: April 2010

Greening IUPUI Grant Program (**JM Organ**)

Reducing course-related paper waste in the gross anatomy laboratory

PI (no salary listed)

January 2013

NSF BCS 1718207 (AS Deane, **JM Organ**)

The Gorilla Anatomy Project (GAP): a digital resource for veterinary medicine, great ape conservation, comparative morphology, and public outreach

Co-PI (no salary listed)

November 2016

Arnold P. Gold Foundation (K Hoffmann-Longtin, E Weinstein, K Kaneshiro, **JM Organ**, M Wininger, J Carpenter)

Teaching communication and collaboration in the health professions using applied improvisational theater: a realist synthesis

Co-PI (no salary listed)

July 2017

NSF BCS 1756194 (AS Deane, **JM Organ**)

The Gorilla Anatomy Project (GAP): a digital resource for human origins research, veterinary medicine, great ape conservation, and public outreach

Co-PI (no salary listed)

July 2017

The L.S.B. Leakey Foundation (AS Deane, **JM Organ**)

The Gorilla Anatomy Project (GAP): a digital resource for human origins research, veterinary medicine, great ape conservation, and public outreach

Co-PI (no salary listed)

July 2017

American Association for Anatomy – Innovations Grant Program (JJ Wisco, LMJ Lee, C Krebs, Y Carter, **JM Organ**)

Anatomy Content and Media Exchange (ACME): a Peer-Reviewed Repository for Education Research Sharing

Co-PI (no salary listed)

July 2018

NIH NIGMS – Science Education Partnership Award (R25) (**JM Organ**, JJ Wisco, JF Price, K Longtin, J Stumpff, H Craven)

“See and Ask Me”: The Science Education Academy (SEA) and Anatomical Sciences Content & Media Exchange (ASCME)

PD/PI (25% effort)

July 2019

Amgen Foundation (JJ Wisco, **JM Organ)**

“See and Ask Me”: “The Science Education Academy (SEA) and Anatomical Sciences Content & Media Exchange (ASCME)

Co-PI (no salary listed)

June 2021

**INVITED WORKSHOPS IN SCIENCE COMMUNICATION** [\* in current rank]

**LOCAL INVITED WORKSHOPS IN SCIENCE COMMUNICATION**

Venue: Indiana State Museum, Indianapolis

Title: Science Communication – Social Media for Scientists Panel

Year: March 2017

Indiana University School of Medicine, Dept of Anatomy & Cell Biology Education Seminar

Making science make sense: adapting complex topics for multiple audiences

September 2017 (w/ K Longtin)

Indiana University – Purdue University Indianapolis Graduate School

Preparing Future Faculty and Professionals Seminar Series

Distilling Your Message

October 2017 (w/ K Longtin)

Indiana Physiological Society Annual Meeting, Taylor University, Upland, IN

Making science make sense: science communication workshop

February 2018

Marian University College of Osteopathic Medicine, Indianapolis, IN

Making science make sense: science communication workshop

April 2018

March for Science—Indianapolis, Indiana State Museum, Indianapolis, IN

Making science accessible

April 2018 (w/ K Longtin and M Wininger)

Indiana University School of Medicine, Postdoctoral Professional Development Series

Making science make sense: science communication workshop

December 2018 (w/ K Longtin)

Society of Clinical Research Associates – Indianapolis Chapter

Making science make sense: strategies for research coordinators

December 2018 (w/ K Longtin)

Indiana Clinical and Translational Sciences Institute, Early Career Investigators (KL2)

The art of communicating science effectively: an introduction for CTSI trainees

January 2019 (w/ K Longtin)

Indiana Chapter of American Fisheries Society

Making sense of science: science communication workshop

January 2019 (w/ K Longtin)

Marian University College of Osteopathic Medicine, Indianapolis, IN

Making science make sense: science communication workshop

March 2019

A Faith Leader and a Scientist Walk into a Bar—Building Productive Conversations about Faith and Science, Seminar Series (multiple sessions):

- Priming the Pump: A Listening Session, October 2019

- Using Improv to Talk about Science and Faith, November 2019

- Storytelling in Science and Faith, February 2020

- Reaching Outside Silos in Social Media, March 2020

IUSM Undergraduate Summer Research Program

Effective communication in interviews

July 2020 (w/ K Longtin)

Indiana Clinical and Translational Sciences Institute, Early Career Investigators (KL2)

The art of communicating science effectively: an introduction for CTSI trainees

December 2020 (w/ K Longtin)

IUSM Undergraduate Summer Research Program, Indianapolis, IN

Effective Communication in Interviews

May 2021 (w/ K Longtin)

Indiana Clinical and Translational Sciences Institute, Early Career Investigators (KL2)

The art of communicating science effectively: an introduction for CTSI trainees

February 2022 (w/ K Longtin)

Indiana University – Purdue University Indianapolis Graduate School

Preparing Future Faculty and Professionals Seminar Series

How to Tell Your Grandma About Your Research: Distilling Your Message

October 2022 (w/ K Longtin)

Indianapolis Project SEED/STEM

Communicating your Science

July 2023

IU School of Medicine Medical Scientist MD/PhD Program Retreat

Thinking on Your Feet! Public Speaking for Scientists

July 2023

IU School of Medicine Medical Scientist MD/PhD Program Retreat

From Bench to Paper: Science Writing to Everyone

June 2024

Stark Neurosciences Summer Undergraduate Research Program

Communicating Science with Non-Specialists

June 2025

**NATIONAL INVITED WORKSHOPS IN SCIENCE COMMUNICATION**

Venue: American Association for Anatomy annual meeting symposium – Science Communication Workshop

Title: Storytelling and the Art of Effective Science Communication I & II (two-day symposium)

Year: April 2017 (w/ K Hoffmann-Longtin and J Rossing)

Women’s Global Health Institute/Nutrition Science Corporate Affiliates, Purdue University, Lafayette, IN

The art of communicating science effectively

October 2017 (w/ K Hoffmann-Longtin)

University of Tennessee, Knoxville, Department of Anthropology

Making sense of science and making science make sense

February 2018

Stowers Research Institute, Kansas City, MO, & Univ of Kansas Medical Center, Kansas City, KS

Making Science Make Sense – two-day workshop

May 2019 (w/ K Hoffmann-Longtin and WJ Sullivan)

American Association for Anatomy Science Communication Bootcamp, Indianapolis, IN

Developing a science communication training program at your institution

July 2019

Mississippi State University, Office of Research & Economic Development, Starkville, MS

Making science make sense

November 2019

University of Kansas, Lifespan Institute, Lawrence, KS

Improving/improvising: communicating about your work to diverse audiences

February 2020 (w/ K Longtin)

Federation of American Societies for Experimental Biology (canceled due to COVID)

Capitol Hill Day

March 2020

American Association for Anatomy Summer Opportunities in Anatomy Research, Ft. Worth, TX

Making science make sense

May 2021

University of Notre Dame, GLOBES Program, South Bend, IN

Making Science Make Sense

March 2022

American Association for Anatomy Summer Opportunities in Anatomy Research, Ft. Worth, TX

Communicating Science in Interviews

May 2022

American Association for Anatomy, Anatomy Scholars Program (multiple sessions):

- Connecting with Your Audience through Applied Improvisation, February 2023

- Distilling Your Message, April 2023

- The Art of the Chalk Talk (w/ A Zumwalt), May 2023

American Association for Anatomy Summer Opportunities in Anatomy Research, Ft. Worth, TX

Communicating Science in Interviews

May 2023

American Association for Anatomy DELTA Program, Boston, MA

Communicating with Various Audiences Requires Different Approaches

June 2023

Society for Craniofacial Genetics and Developmental Biology Annual Meeting, Cincinnati, OH

Communicating with Public Audiences Requires Different Approaches

October 2023

American Association for Anatomy Science Communication Boot Camp, Indianapolis, IN

Connecting with Audiences through Storytelling: Focus on Podcasting

October 2023

American Association for Anatomy Science Communication Boot Camp, Rockville, MD

Connecting with Audiences Through Storytelling

June 2024

American Association for Anatomy, Anatomy Scholars Program (multiple sessions):

- Connecting with Your Audience through Applied Improvisation, August 2024

- Distilling Your Message, October 2024

**INTERNATIONAL INVITED WORKSHOPS IN SCIENCE COMMUNICATION**

Venue: Hull York Medical School, Heslington, York, UK

Title: Science Communication Boot Camp

Year: December 2019

Anatomical Society Winter Meeting, Lancaster, UK

Making Science Make Sense – The Art of Effective Science Communication

December 2019

**INVITED PRESENTATIONS IN TEACHING** [\* in current rank]

**LOCAL INVITED PRESENTATIONS IN TEACHING**

Venue: Pint of Science – Indianapolis, Central Indiana Science Outreach

Title: Our bodies were not built to last

Year: May 2016

Allisonville Elementary (Indianapolis, IN) – Steve Auslander, 5th grade classroom

The importance and ethics of animal use in medical research

May 2017

Indiana Humanities/March for Science – Indianapolis/Central Indiana Science Outreach

Books, Booze & Brains Book Club at Broken Beaker Distillery

Expert discussant for Mary Roach’s Stiff: The Curious Lives of Human Cadavers

August 2017

Towne Meadow Elementary (Carmel, IN) – Josie McKay, 4th grade classroom

Behavioral vs. physical adaptations in mammal evolution

October 2017

Center for Inquiry, Indianapolis, IN

Without a net: balancing on the high wire of science and science communication

November 2017

Allisonville Elementary (Indianapolis, IN) – Steve Auslander, 5th grade classroom

The importance and ethics of animal use in medical research

May 2018

John Shaw Billings History of Medicine Society, Indiana University School of Medicine, IN

Our bodies were not built to last

May 2018

Indy PopCon, Indianapolis, IN

Scientist AMA (Ask Me Anything), organized by Indiana Sciences

June 2018

The DaVinci Pursuit, Indianapolis, IN

Tales of the Departed: Rest in Pieces. Interviewed by Jill Ditmire, WFYI

April 2019

CAREERX Student Interest Group, Indiana University School of Medicine, IN

Science communication career panel

April 2019

Allisonville Elementary (Indianapolis, IN) – Steve Auslander, 5th grade classroom

The importance and ethics of animal use in medical research

May 2019

Anatomy, Cell Biology & Physiology Statewide Retreat, Indiana University School of Medicine, IN

Science has a communication problem—scientists can help fix it

June 2019

Indy PopCon, Indianapolis, IN

The Science of Science Fiction Panel, organized by Indiana Sciences

June 2019

Starbase Indy, Indianapolis, IN

Scientist AMA (Ask Me Anything), organized by Indiana Sciences

November 2019

Allisonville Elementary (Indianapolis, IN) – Steve Auslander, 5th grade classroom

The importance and ethics of animal use in medical research

January 2020

IUPUI Center for Teaching and Learning Scholarly Teaching Symposium

Flipping Classrooms in Graduate Anatomical Sciences Courses

October 2020

Indiana University School of Medicine, Dept of Anatomy, Cell Biology & Physiology, Indianapolis, IN

Insights Into the Peer Review and Publication Process at AAA Journals

April 2023

Indiana Center for Musculoskeletal Health Retreat, Indianapolis, IN

Panelist, Trainee-led Panel Discussion on Career/Professional Development

September 2023

Indiana Humanities/Indiana Sciences. Indianapolis, IN

Books, Booze & Brains Book Club at Ash & Elm Cider Company

Expert discussant for Ed Yong’s The Immense World

January 2024

**NATIONAL INVITED PRESENTATIONS IN TEACHING**

Venue: University of Tennessee, Knoxville, Department of Anthropology

Title: Without a net: balancing on the high wire of musculoskeletal biomechanics and science outreach.

Year: February 2016

Louisiana State University Health Sciences Center

Balancing act: novel approaches to enhancing musculoskeletal mechanics and communicating science effectively

January 2017

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction Panelist, organized by Indiana Sciences

July 2018

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction Panelist, organized by Indiana Sciences

August 2019

LifeOmics, Life Apps Bloggers Conference (via Zoom)

Empathy in Science Storytelling

September 2019

GenCon Online (due to COVID-19)

Science of Science Fiction Panelist, organized by Indiana Sciences

July 2020

University of North Texas, Department of Physiology and Anatomy, Fort Worth, TX

Novel Approaches to Enhancing Musculoskeletal Biomechanics and Communicating Science

November 2020

Kansas City University, Division of Basic Sciences, Joplin, MO

Novel Approaches to Enhancing Musculoskeletal Biomechanics and Communicating Science

January 2021

Washington University School of Medicine, Department of Neuroscience, St. Louis, MO

Active Learning in Gross Anatomy Classrooms

July 2021

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction: Video Games Panelist, organized by Indiana Sciences

August 2022

AAA Regional Meeting 2022, Iowa City, IA

Panelist, Science Communication Break Out Workshop

October 2022

Meet the Editors, Anatomy Connected 2023, American Association for Anatomy, Washington, DC

How to Communicate Your Work Published in AAA Journals

April 2023

DeBusk College of Osteopathic Medicine, Lincoln Memorial University, Knoxville, TN

Pulling Back the Curtain on Peer Review at AAA Journals

May 2023

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction: Video Games Panelist, organized by Indiana Sciences

August 2023

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction: Video Games Panelist, organized by Indiana Sciences

August 2024

Black In Anatomy, World Anatomy Day Webinar

Get Your Research Published: Unveiling the Peer Review Process

October 2024

GenCon, Indianapolis Convention Center, Indianapolis, IN

Science of Science Fiction: Star Ward Panelist, organized by Indiana Sciences

August 2025

**INTERNATIONAL INVITED PRESENTATIONS IN TEACHING**

Venue: 19th Congress of the International Federation of Associations of Anatomists, London, UK

Title: Changing the public perception of anatomy: why association-level science communication and advocacy training is critical

Year: August 2019

Colloque International, Léonard de Vinci, Anatomiste: Pionnier de l’Anatomie comparée, de la Bioméchanique, de la Bionique et de la Physiognomonie; Chateau Royal d’Amboise et Chateau du Clos Lucé, Amboise, France. Organized by Institut de Paléontologie Humaine, Paris.

Leonardo da Vinci: art, science, and the birth of biomechanics

October 2019

Anatomical Society Winter Meeting, Lancaster, UK

Science has a communication problem; together anatomists can solve it

December 2019

20th Congress of the International Federation of Associations of Anatomists (online), Istanbul, Turkey

Active learning in anatomical sciences education: emerging from the pandemic, panelist

August 2022

20th Congress of the International Federation of Associations of Anatomists (online), Istanbul, Turkey

Linking in and getting out of the ResearchGate – developing your online profile

August 2022

IFAA President’s Emergent Anatomists Programme (online), Johannesburg, South Africa

Social Media and Scientific Communication

June 2023

7th International Anatomical Science and Cell Biology Conference /

46th Annual Conference of the Anatomy Association of Thailand, Pattaya, Chonburi, Thailand

Making Science Make Sense: Effective Strategies to Engage with the Public

May 2024

21st Congress of the International Federation of Associations of Anatomists, Gwangju, South Korea

Are you for or against public dissection? An open debate. Invited Panelist

September 2024

Anatomical Society Education Committee Webinar, Great Britain and Ireland (online)

Publishing Your Educational Research

September 2024

British Association of Clinical Anatomists Webinar, UK (online)

Publishing your work in peer-reviewed journals

October 2024

Australia and New Zealand Association of Clinical Anatomists, Dubbo, New South Wales, Australia

Get your research published: unveiling the peer review process

December 2024

\*29th International Symposium on Morphological Sciences, Lisbon, Portugal

Navigating copyright and plagiarism in anatomical illustrations: best practices and ethical standards

July 2025

\*8th International Anatomical Science and Cell Biology Conference /

Annual Conference of the Malaysian Anatomical Association, Kuala Lumpur, Malaysia

Get your research published: unveiling the peer review process

August 2025

**SCIENCE COMMUNICATION AND OUTREACH** [\* in current rank]

**PRINT AND ELECTRONIC MEDIA**

Title:[Science has a Communication Problem – Together We Can Solve It](http://amasan.informz.net/admin31/content/template.asp?sid=47830&ptid=1463&brandid=3960&uid=884750249&mi=6300885&ps=47830)

Venue: Anatomy Now, Newsletter of the American Association for Anatomy

Date: April 2017

[Interviewed about science communication](http://preventioncentre.org.au/blog/alan-alda-center-boot-camp/)

Australian Prevention Partnership Centre

August 2017

[Featured Expert at Books, Brains & Booze](https://visitindiana.com/blog/index.php/2017/09/13/science-state-museum/)

Indiana Humanities & Indiana Sciences, Inc

September 2017

[Giz Asks: Why Do We Have Butts?](https://gizmodo.com/why-do-we-have-butts-1826004199)

Gizmodo.com

May 2018

Alda Alumni: Jason Organ

Alan Alda Center for Communicating Science

July 2018

[Science Has a Communication Problem](http://www.ifaa.net/wp-content/uploads/2019/03/Plexus-2019_issue-1_Feb.pdf)

International Federation of Associations of Anatomists’ PLEXUS Newletter

February 2019

[COVID changes how UCF medical students get hands-on experience](https://www.orlandosentinel.com/coronavirus/os-ne-coronavirus-ucf-medical-school-covid-20200921-42c5l6g3cjb2vg73juafk7vpm4-story.html)

Orlando Sentinel Interview

October 2020

[Faculty Bringing a New Focus on Ethics, Diversity, Equity and Inclusion in the Anatomy Field](https://medicine.iu.edu/blogs/spirit-of-medicine/anatomy-faculty-guest-editors)

IUSM Spirit of Medicine Blog

March 2022

[Anatomy Group Reveals Discipline’s Unethical Past to Achieve a More Inclusive Future](https://associationsnow.com/2022/03/anatomy-group-reveals-disciplines-unethical-past-to-achieve-a-more-inclusive-future/)

Associations Now Newsletter

April 2022

[Evaluation Finds that Science Communication Training Works](https://amasan.informz.net/informzdataservice/onlineversion/ind/bWFpbGluZ2luc3RhbmNlaWQ9ODY5MjAxNyZzdWJzY3JpYmVyaWQ9ODI1Mjg3OTM4)

Anatomy Now Weekly Newsletter

April 2022

New Editor-In-Chief Selected for Anatomical Sciences Education

Anatomy Now, Newsletter of the American Association for Anatomy

August 2022

[American Association for Anatomy Names Jason Organ Editor of Anatomical Sciences Education](https://www.eurekalert.org/news-releases/963473)

EurekAlert!, News Service of the American Association for the Advancement of Science

August 2022

[IU School of Medicine Faculty Named Editor in Chief of Anatomical Sciences Education](https://medicine.iu.edu/blogs/faculty-news/faculty-editor-in-chief-anatomical-sciences-education)

IUSM Faculty News Blog

September 2022

[Should Medicine Still Bother with Eponyms?](https://www.nytimes.com/2023/06/19/science/medicine-eponyms-nazis.html)

Rachel E. Gross, New York Times

June 2023

**TV, RADIO, AND PODCAST APPEARANCES**

[Interviewed about AAA Science Communication Workshop](https://www.youtube.com/watch?v=ji2Am1SKQbY)

Experimental Biology TV @ EB2017

April 2017

[SciComm Monday Podcast](https://www.youtube.com/watch?v=tL6DPrvPqeY&t=111s)

Hosted by Nicole Wood, wildlife biologist

December 2017

[Anatomy Education Podcast, Episode 29: Dr. Jason Organ](https://anatomypodcast.libsyn.com/26-dr-jason-organ)

Hosted by James Pickering, University of Leeds, UK

April 2018

Do You Count in AAA?

AAA Diversity, Equity & Inclusion Committee Webinar   
May 2019

Lessons Learned: Medical Ethics and Auschwitz

WICR’s She Says Art, He Says Science

March 2020

Leonardo da Vinci, Anatomist

WICR radio program, She Says Art, He Says Science

May 2020

[Anatomy Education Podcast, Episode 99: Lockdown Special II](https://anatomypodcast.libsyn.com/99-lockdown-special-ii)

Hosted by James Pickering, University of Leeds, UK

April 2020

[Anatomy Education Podcast, Episode 100: Lockdown Special III](https://anatomypodcast.libsyn.com/100-lockdown-special-iii)

Hosted by James Pickering, University of Leeds, UK

May 2020

[Anatomy Education Podcast, Episode 101: Lockdown Special IV](https://anatomypodcast.libsyn.com/101-lockdown-special-iv)

Hosted by James Pickering, University of Leeds, UK

May 2020

[Anatomy Education Podcast, Episode 103: Lockdown Special V](https://anatomypodcast.libsyn.com/103-lockdown-special-v)

Hosted by James Pickering, University of Leeds, UK

May 2020

[Anatomy Education Podcast, Episode 104: Lockdown Special VI](https://anatomypodcast.libsyn.com/104-lockdown-special-vi)

Hosted by James Pickering, University of Leeds, UK

May 2020

[Anatomy Education Podcast, Episode 105: Lockdown Special VII](https://anatomypodcast.libsyn.com/105-lockdown-special-7)

Hosted by James Pickering, University of Leeds, UK

June 2020

[Anatomy Education Podcast, Episode 107: Lockdown Special VIII](https://anatomypodcast.libsyn.com/107-lockdown-special-8)

Hosted by James Pickering, University of Leeds, UK

June 2020

[Anatomy Education Podcast, Episode 109: Lockdown Special IX](https://anatomypodcast.libsyn.com/109-lockdown-special-ix)

Hosted by James Pickering, University of Leeds, UK

June 2020

[Anatomy Education Podcast, Episode 111: Lockdown Special X](https://anatomypodcast.libsyn.com/111-lockdown-special-x)

Hosted by James Pickering, University of Leeds, UK

June 2020

[Science Night, Episode 3: Jason Organ](https://sciencenight.fireside.fm/3)

Hosted by James Reed, Dartmouth College

July 2020

[Science Night, Episode 5: Science of Science Fiction from GenCon Online](https://sciencenight.fireside.fm/bonus1)

GenCon Online

August 2020

[Science of Science Fiction Panel, GenCon Online](https://www.youtube.com/watch?v=rUqHUjZnsTQ)

Indiana Sciences, Inc

August 2020

Co-Host of [Science Night Podcast](https://www.scinight.com/), 84 episodes as of 12/21/2023

River Mill Podcast Mill

August 2021-present

*I was invited to join Science Night as a Co-Host beginning in August 2021. Since that time, we have recorded >80 bi-weekly episodes. Science Night features a science news segment and an interview with a scientist about how they came to study what they study, and what they have found. Episodes have ranged from craniofacial development to dinosaur paleontology, to the future of fusion energy, to human evolution. Our episodes have now been downloaded over 15,700 times, and we have regularly been featured as a Top Science Podcast by the Goodpods podcast aggregator.*

[The Teaching and Scholarship Podcast, Dr. Jason Organ Part I](https://meinpodcast.libsyn.com/dr-jason-organ-part-1)

Hosted by Scott Border, University of Glasgow, UK

April 2022

[Wild Connections Podcast: Of Mice, Humans, and Tails with Dr. Jason Organ](https://wildconnection.podbean.com/e/of-mice-humans-and-tails-with-dr-jason-organ/)

Hosted by Jennifer Verdolin, University of Arizona

April 2022

[The Teaching and Scholarship Podcast, Dr. Jason Organ Part II](https://meinpodcast.libsyn.com/dr-jason-organ-part-2)

Hosted by Scott Border, University of Glasgow, UK

May 2022

[Open Science: A Discussion with the Editors – Impact of the 2022 WHOSTP Memo on Public Access](https://vimeo.com/808534798/4f0873c256)

Produced by Darla Henderson, FASEB, Washington, DC

March 2023

[Transformative Teaching: A FACET at IU Podcast, Dr. Jason Organ](https://soundcloud.com/user-692937003/ep-20-jason-organ)

Hosted by Michael Morrone, Director of FACET, Indiana University – Bloomington

September 2023

**SOCIAL MEDIA SCIENCE CHANNELS**

Guest Curator of [IAmSciComm Twitter/X](https://twitter.com/iamscicomm) account (>39,000 followers)

June 4-9, 2018

Curator of [SciCommPLOS Twitter/X](https://twitter.com/SciCommPLOS) account (>2200 followers)

2017-2023

Curator of [AnatSciEduc Twitter/X](https://twitter.com/AnatSciEduc) (>2400 followers) and [Facebook](https://www.facebook.com/anatomical.sciences.education/?eid=ARDFirOZOA73j4lz8tUcO1C24ZJnzNBQBU1GVFKC9kDM01j1wqWmfOfNBguf-E25eveVpaN1v6gu4N4w) (>3600) accounts

2020-present

**RESEARCH** [\* in current rank]

**GRANTS/FELLOWSHIPS IN RESEARCH**

**COMPLETED GRANTS IN RESEARCH**

Agency: NSF BCS 0550676 (MF Teaford, **JM Organ**)

Title: Doctoral dissertation improvement: The functional anatomy of prehensile and nonprehensile tails: Internal architecture of caudal vertebrae and musculature.

Role: Co-PI (no salary listed)

Costs: $11,992 total costs (no indirect costs allowed)

Dates: 02/28/2006 to 08/31/2007

NIH Loan Repayment Program NIDCD (**JM Organ**)

Kinematics and muscle function in normal and pathophysiological swallowing as a result of Parkinson’s Disease.

07/01/2008 to 06/30/2010

Saint Louis University President’s Research Fund (**JM Organ**)

Dental and skeletal analysis of archaeological remains in the medieval British Isles.

PI (no salary listed)

$25,000 total costs (no indirect costs allowed)

02/01/2010 to 08/31/2011

IUPUI Biomechanics and Biomaterials Research Center [BBRC] (**JM Organ**)

Biomechanical effects of low-intensity, multi-directional loading on bone and muscle growth

PI (no salary listed)

$10,000 (no indirect costs allowed)

01/01/2014 to 12/31/2014

NIH R01 – AR062002 (MR Allen, DB Burr)

Enhancing bone strength using combination drug therapy.

Co-I (15% effort)

$2,287,110 total costs

09/01/2012 to 10/31/2014

National Skeletal Muscle Research Center [NSMRC] (**JM Organ**)

Hindlimb muscle function and quality in a rat model of progressive kidney disease

PI (no salary listed)

$25,000 total costs (indirect cost rate limited to 8%)

06/01/2014 to 05/31/2015

Ralph W. and Grace M. Showalter Research Trust Fund (**JM Organ**)

Enhancing skeletal mechanical properties in Osteogenesis Imperfecta

PI (10% effort)

$60,000 total costs

07/01/2015 to 12/31/2016

Indiana University Collaborative Research Grants [IUCRG] (**JM Organ**, R Menegaz)

Modulating the cellular and structural mechanisms underlying craniofacial development in Osteogenesis Imperfecta

PI (no salary listed)

$72,500 total costs

06/01/2016 to 05/31/2017

NIH R01 DC014070 (S Halum)

Muscle progenitor cell-based implants for dynamic laryngeal muscle reconstruction.

Co-I (5% effort)

$244,121 total costs (subcontract from Purdue University)

07/01/2015 to 06/30/2017

Indiana Center for Musculoskeletal Health [ICMH] Pilot Grant (L Plotkin)

Pannexin 1 in bone and muscle crosstalk

Co-I (no salary listed)

$50,000 total costs

07/01/2017 to 06/30/2018

**SUBMITTED GRANTS IN RESEARCH – UNFUNDED**

Agency: NSF IOS 1325206 (**JM Organ**, MR Allen, G Perry, MT Butcher)

Title: IOS preliminary proposal: Ontogeny and the evolution of bone and muscle in the platyrrhine prehensile tail – an integrative investigation

Role: PI (no salary listed)

Submitted: February 2013 [not invited for full proposal]

NIH R01 – AR 066135-01 (**JM Organ**, MR Allen, DB Burr)

Utilizing the PTH anabolic window to enhance bone mechanics with combination treatment.

PI (60% effort)

June 2013 [not scored]

Indiana University Collaborative Research Grants [IUCRG] (JM Wallace)

Development of an optical window chamber for longitudinal intravital microscopy of the musculoskeletal unit

Co-I (no salary listed)

December 2013

CTSI Young Investigator Award in Clinical-Translational Research (**JM** **Organ**)

Decreasing skeletal fracture risk in chronic kidney disease by targeting the bone/muscle functional unit.

PI (no salary listed)

April 2014

NIH R01 – DK106217 (S Moe)

The pathogenesis of musculoskeletal abnormalities in chronic kidney disease.

Co-I (20% effort)

October 2014 [not scored]

NIH R01 – DK106217 (S Moe)

Skeletal muscle dysfunction in chronic kidney disease

Co-I (15% effort)

October 2015 [not scored]

NIH P01 (D Roodman)

Musculoskeletal effects of cancer in bone.

Co-I (10% effort)

October 2015 [Impact Score: 36]

March of Dimes (**JM Organ**, RA Menegaz)

Modulating the cellular and structural mechanisms underlying craniofacial development in Osteogenesis Imperfecta

PI (no salary listed)

April 2016 [not invited for full proposal]

NIH R21 – DE026863 (**JM Organ**, RA Menegaz)

Understanding how dietary consistency affects craniofacial musculoskeletal growth in a mouse model of Osteogenesis Imperfecta.

PI (25% effort)

June 2016 [not scored]

NSF IOS 1731565 (RA Menegaz, **JM Organ**)

IOS preliminary proposal: Ontogeny and plasticity in functional subunits of rodent masticatory musculature.

Co-PI (20% effort)

January 2017 [not invited for full proposal]

NIH AR0722609 (JM Wallace)

Loading and drug synergy protect bone from pathological collagen synthesis.

Co-I (2.5% effort)

February 2017 [Impact Score: 40; Percentile: 29]

NIH R01 CA221909 (A Bonetto)

Mechanisms and treatment of chemotherapy-induced cachexia and muscle weakness

Co-I (5% effort)

February 2017 [Impact Score: 44; Percentile: 35]

NIH R01 AR059357 (T Bellido)

Glucocorticoid-induced atrophy in bone and muscle.

Co-I (10% effort)

February 2017 [Percentile: 44]

NSF IOS 1750831 (**JM Organ**)

CAREER: Experimental evolution of arboreal mice: getting a leg up on science communication

PI (10% effort)

July 2017

NSF IOS 2114478 (RA Menegaz, **JM Organ)**

Collaborative research: Ontogeny and plasticity of rodent feeding musculature: how growth and diet influence feeding biomechanics in mammals

PI for IU portion (2% effort)

December 2020

**INVITED PRESENTATIONS IN RESEARCH**

**LOCAL INVITED PRESENTATIONS IN RESEARCH** [\* in current rank]

Venue: Saint Louis University School of Medicine, Center for Anatomical Science & Education

Title: A tale of tails: what can anatomy tell us about function?

Date: January 2008

Kennedy Krieger Research Institute, Research in Brain Injury Group (Baltimore, MD)

Evolution of the development of swallowing and airway protection in primates

May 2008

Washington University School of Medicine, Program in Physical Therapy Seminar

Does muscle structure influence bone structure? A mutli-tailed approach

September 2010

Saint Louis University, Department of Biology Seminar

Evolutionary convergence in prehensile tail structure among New World monkeys and procyonid carnivorans

October 2010

Washington University School of Medicine, Program in Physical Therapy Seminar

Evolutionary implications of growth and development of oral and pharyngeal structures

December 2010

Saint Louis University, Program in Physical Therapy Seminar

What can you do with a tail like that: how does anatomy affect function?

December 2010

Washington University in St. Louis, Department of Anthropology Seminar

Sensory ecology and the evolution of the platyrrhine tail

March 2012

Indiana University School of Medicine Statewide Anatomy Retreat

A tale of monkey tails

June 2013

Indiana University School of Medicine, Department of Surgery Seminar

Mechanical adaptation of the musculoskeletal system to low impact exercise

December 2014

Indiana University School of Medicine, Laboratory Animal Resource Center

Enhancing bone mechanical properties with low-impact exercise

June 2015

Indiana University Purdue University – Indianapolis, Department of Biology

Enhancing musculoskeletal mechanical properties with low-impact exercise

November 2015

Indiana University Purdue University – Indianapolis, Department of Biomedical Engineering

Life on the high wire: enhancing musculoskeletal biomechanical properties with low-impact exercise

November 2015

**NATIONAL INVITED PRESENTATIONS IN RESEARCH** [\* in current rank at IUSM]

Venue: American Association for Anatomy annual meeting symposium, “Mammals in Motion: Studies in Functional Anatomy”, San Francisco, CA

Title: Hanging around: the functional anatomy of primate tails.

Year: April 2006

University of Minnesota-Twin Cities, Department of Anthropology

Unraveling the “tale of tails”: reconstructing primate behavior and biology from the fossil record.

February 2007

Southern Illinois Univ School of Dental Medicine, Dept of Development, Growth and Structure

Evolutionary implications of growth and development in oral and pharyngeal structures.

May 2009

University of Tennessee, Knoxville, Department of Anthropology

A tale of tails: what can anatomy tell us about function?

February 2010

American Association for Anatomy annual meeting symposium, “Living Primates and their Ancestors, in the Flesh: Comparative Soft Tissue Anatomy”

Tactile tips, toes, and tails.

April 2010

Ohio State University College of Medicine, Division of Anatomy

Does muscle structure influence bone structure? A multi-tailed approach.

December 2010

Midwestern University, Chicago College of Osteopathic Medicine, Department of Anatomy

Does muscle structure influence bone structure? A multi-tailed approach.

January 2011

Indiana University School of Medicine, Department of Anatomy & Cell Biology Seminar

A tale of tails: what can anatomy tell us about function?

January 2011

University of Tennessee, Knoxville, Department of Anthropology

Sensory ecology and the evolution of the platyrrhine tail.

February 2012

University of Kentucky College of Medicine, Department of Anatomy and Neurobiology

Does muscle structure influence bone structure? A multi-tailed approach.

January 2013

University of Tennessee, Knoxville, Department of Anthropology  
*In vivo* measurements of bone biomechanical properties.

February 2014

American Association of Physical Anthropologists symposium, “From the Ground Up: Integrative Research in Primate Locomotion”

Hierarchical analyses of bone and muscle structural, material, and physiological properties improves our understanding of their integrated functions.

April 2014

University of North Texas, Department of Physiology and Anatomy, Ft. Worth, TX

Novel Approaches to Enhancing Musculoskeletal Biomechanics and Communicating Science

November 2020

Kansas City University, Division of Basic Sciences, Joplin, MO

Novel Approaches to Enhancing Musculoskeletal Biomechanics and Communicating Science

January 2021

Washington University School of Medicine, Department of Neuroscience, St. Louis, MO

Novel Approaches to Enhancing Musculoskeletal Biomechanics

July 2021

American Association of Biological Anthropologists annual meeting, Denver, CO

Without a Net: Comparing Mouse Locomotor Modes to Study Arboreality and Its Impact on Musculoskeletal Functional Morphology

March 2022

**SERVICE** [\* in current rank at IUSM]

**UNIVERSITY SERVICE**

**SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE**

**DEPARTMENT** – Surgery/Center for Anatomical Science

Committee: Certificate in Anatomical & Physiological Sciences Program Admissions Committee

Role: Member

Year: 2009-2010

Graduate Admissions Committee

Member

2009-2012

**SCHOOL** – Saint Louis University School of Medicine

Committee: Curriculum Management Committee

Role: Member

Year: 2010-2012

Faculty Affairs Committee

Member

2011-2012

**INDIANA UNIVERSITY SCHOOL OF MEDICINE**

**DEPARTMENT** – Anatomy, Cell Biology & Physiology (ACBP)

Committee: Faculty Mentoring Task Force

Role: Member

Year: 2013-2015

Shellhamer Teaching Award Committee

Chair

2016

Shellhamer Teaching Award Committee

Member

2017

Celebrate Science Indiana

Anatomy & Cell Biology Department Contact and Organizer

2017-2021

Anatomy Education Postdoc Search Committee

Member

2018

Anatomy Instructor Faculty Search Committee

Member

2018-2019

Clinical Anatomy & Physiology MS Admissions Committee

Chair

2018-2024

ACBP Graduate Studies Committee

Member

2018-2024

Clinical Anatomy & Physiology MS Program

Director

2018-2024

Tenure-Track Anatomy Education Faculty Search Committee

Member

2022

\*Anatomy Education PhD Admissions Committee

Member

2017- present

**SCHOOL** – Indiana University School of Medicine

Program: Student Research Program in Academic Medicine

Role: Research Mentor

Year: 2014-2017

Indianapolis Project SEED/STEM

Research Mentor

2014-2018

LARC Advisory Committee

Member

2016-2022

IBMG Prospective Student Virtual Chat Session

Faculty participant

2017 – 2 times in the Fall Semester

IBMG Campus Visit Student Interviews

Interviewer

2018 – 2 students

Science Outreach Community at IUSM Student Interest Group

Faculty Advisor

2018-2021

IUSM Dept of Anatomy, Cell Biology & Physiology Chair Search Committee

Member

2020

New Provider & Faculty Orientation, IUSM Dean’s Office

Trainer/Presenter

2021

Indiana Center for Musculoskeletal Health Education Committee

Member

2017-2024

IUSM Teaching Award Committee

Member

2019-2025

\*Board of Directors, Member

John Shaw Billings Medical History Society

2021-present

\*IUSM Teaching Award Committee

Chair

2025-present

**UNIVERSITY** – Indiana University Indianapolis

Program: IUPUI Life-Health Sciences Internship Program

Role: Research Mentor

Year: 2013-2021

IUPUI Research Affairs Committee

Member

2014-2019

IU Communicating Science Working Group

Member

2016-2019

Curriculum Enhancement Grants Review Panel, Center for Teaching and Learning

Member (6 proposals reviewed)

2018

IUPUI Public Access to Research Data Working Group

Member

2020-2021

FACET Leadership Institute, Social Justice in Higher Education

Co-Chair of IUPUI Team w/ M Polites (Communication Studies)

2021-2022

*The FACET Leadership Institute (LI) is part of the larger FACET mission focused on advocating for pedagogical innovation, inspiring growth and reflection, cultivating the Scholarship of Teaching and Learning, and fostering personal renewal in the commitment to student learning. By emphasizing evidence-based practice, the FACET Leadership Institute seeks to develop leaders for innovation and learning in higher education; enhance and transform the university learning environment; and identify and implement creative approaches to address changing local and global educational needs. The 2021-2023 theme was Social Justice in Higher Education, and our team worked to design professional development engaged learning activities for faculty rooted in Authentic, Empathetic, and Innovative Assessment. Although the LI continued to work through 2023, I resigned from my role on this working group to assume the role of Editor-in-Chief of* Anatomical Sciences Education.

FACET Application Review Committee

IUPUI Campus

2021

Curriculum Enhancement Grants Review Panel, Center for Teaching and Learning

Member (6 proposals reviewed)

2022

FACET Application Review Committee

IUPUI Campus

2023

\*Jewish Faculty and Staff Council

Member, Executive Committee

2018-present

FACET

Assistant Director, IUPUI Campus

2023-2024

Curriculum Enhancement Grants Review Panel, Center for Teaching and Learning

Member (3 proposals reviewed)

2024

FACET

Associate Director, IUI Campus

2024-present

\*FACET

Executive Director, Indiana University

2025-present

**PROFESSIONAL SERVICE** [\* in current rank]:

**EDITORIAL BOARDS**

Journal: The Anatomical Record

Role: Guest Editor for special issue (From head to tail: new models and approaches in comparative primate biomechanics and functional anatomy)

Year: 2010

Public Library of Science (PLOS) [Science Communication Blog](http://blogs.plos.org/scicomm)

Co-Editor and Writer

2017-2024

\*Anatomical Sciences Education

Associate Editor for Social Media

2020-2022

\*PLOS One

Academic (Associate) Editor

2021-2022

\*The Anatomical Record

Guest Editor for special issue (The Changing Face of Anatomy – Evolution of a Discipline)

2022

\*The Anatomical Record

Associate Editor

2022

\*The Anatomical Record

Editorial Board Member

2012-present

\*Editor-in-Chief

Anatomical Sciences Education

2023-present

**MANUSCRIPT REVIEW** [\* in current rank]

2009 19 total: *Anatomical Record, American Journal of Physical Anthropology, Folia Primatologica*

2010 6 total: *Anatomical Record, Journal of Human Evolution*

2011 11 total: *Anatomical Record, Clinical Anatomy, Anatomical Sciences Education, Anatomy Research International, American Journal of Physical Anthropology, Journal of Human Evolution, Primates*

2012 8 total: *Anatomical Record, Anatomical Sciences Education, American Journal of Physical Anthropology, Primates*

2013 17 total: *Anatomical Record, Bone, PLOS One, Anatomical Sciences Education, Neuroscience Letters*

2014 7 total: *Anatomical Record, Clinical Anatomy, Anatomical Sciences Education, Physiology*

2015 11 total: *American Journal of Physiology – Cell Physiology, Osteoporosis International, Anatomical Record, Bone Reports, PLOS One, Journal of Applied Physiology*

2016 22 total: *Anatomical Record, Bone, Journal of Human Evolution, Journal of Applied Physiology, Journal of Musculoskeletal and Neuronal Interactions, PLOS One, Calcified Tissue International, Anthropological Science, American Journal of Physical Anthropology*

2017 10 total: *Anatomical Record*, *Journal of Osteoporosis, Journal of Bone and Mineral Metabolism, Journal of Experimental Biology, American Journal of Physical Anthropology*

2018 11 total: *Anatomical Record, American Journal of Physical Anthropology, Journal of Bone and Mineral Metabolism, Journal of Visualized Experiments, National Geographic Books*

2019 14 total: *Anatomical Record, American Journal of Physical Anthropology, Biological Journal of the Linnean Society, Zoological Journal of the Linnean Society, Anatomical Sciences Education, Journal of Mammalogy, Proceedings of the Royal Society B, Journal of the American Medical Association*

2020 \*15 total: *Anatomical Record, American Journal of Physical Anthropology, Journal of the American Medical Association, Anatomical Sciences Education, Ideas in Ecology and Evolution, American Journal of Human Biology, American Journal of Primatology, Journal of Anatomy*

2021 \*39 total: *Anatomical Record, Anatomical Sciences Education, Integrative and Comparative Biology, Interface Focus, Journal of Biological Education, PLOS One*

2022 \*27 total: *Anatomical Sciences Education, Anatomical Record, Academic Medicine*

2023 \*6 to date (not including EIC reviews for ASE): *Anatomical Sciences Education, Clinical Anatomy, American Journal of Biological Anthropology, Proceedings of the Royal Society B*

**EXTRAMURAL GRANT REVIEW** [\* in current rank]

Agency: The Leakey Foundation for Research Related to Human Origins

Review: Ad hoc grant proposal review

Number: 1 proposal

Year: 2011

The Leakey Foundation for Research Related to Human Origins

Ad hoc grant proposal review

2 proposals

2012

The Leakey Foundation for Research Related to Human Origins

Ad hoc grant proposal review

1 proposal

2014

Research Foundation – Flanders (Fonds Wetenschappelijk Onderzoek – Vlaanderen)

Ad hoc grant proposal review

1 proposal

2015

National Science Foundation (Biological Anthropology Program)

Ad hoc grant proposal review

1 proposal

2015

American Association for Anatomy (Innovations Grant Program)

Member Innovations Grant Review Panel

5 proposals

2016

National Science Foundation (Senior Panel)

Member Grant Review Panel

15 proposals

2019

National Science Foundation (Graduate Research Fellowship Panel)

Member Grant Review Panel

12 proposals

2020

National Science Foundation (Physiological Mechanisms and Biomechanics Program)

Ad hoc grant proposal review

1 proposal

2020

National Science Foundation (Senior Panel)

Member, Fall Grant Review Panel

6 proposals

2021

National Science Foundation (Doctoral Dissertation Panel)

Member, Spring Grant Review Panel

9 proposals

2022

National Science Foundation (Doctoral Dissertation panel)

Member, Fall Grant Review Panel

7 proposals

2022

National Science Foundation (Doctoral Dissertation Panel)

Member, Spring Grant Review Panel

10 proposals

2023

National Science Foundation (Biological Anthropology Program)

Ad hoc grant proposal review

1 proposal

2023

National Science Foundation (Doctoral Dissertation Panel)

Member, Spring Grant Review Panel

9 proposals

2024

**ABSTRACT REVIEW**

Agency: American Association for Anatomy

Panel: Annual meeting student/post-doctoral submissions

Number: 75 abstracts

Year: 2009

American Association for Anatomy

Annual meeting student/post-doctoral submissions

114 abstracts

2010

American Association for Anatomy

Annual meeting post-doctoral/junior faculty/education submissions

86 abstracts

2011

**LOCAL PROFESSIONAL SERVICE ACTIVITY** [\* in current rank]

Agency: Missouri State Anatomical Board

Activity: Body Donation Program Oversight

Role: Member

Year: 2009-2012

St. Louis Anatomical Board

Body Donation Program Oversight

Member

2009-2012

Indianapolis Jewish Community Relations Council

Member, Board of Directors

2020-2023

**NATIONAL & INTERNATIONAL PROFESSIONAL SERVICE ACTIVITY** [\* in current rank]

Agency: American Association of Physical Anthropologists

Activity: Annual Meeting Scientific Program Committee

Role: Member

Year: 2008-2011

American Physiological Society

Archive of Teaching Resources (now called Life Science Community Teaching Resources, LifeSciTRC.org)

Content Reviewer - Anatomy

2011-2013

American Association of Physical Anthropologists

Annual Meeting Anatomical Science Student Presentation Award

Presentation Judge

2012-2013

Center for Scientific Review, National Institutes of Health

Early Career Reviewer

Member

2014

Federation of American Societies for Experimental Biology (FASEB)

Publications and Communications Committee

Member

2016-2019

10th Asia Pacific Congress of Anatomists (APICA) & 20th Meeting of the Australian and New Zealand Assoc of Clinical Anatomists (ANZACA)

Member, Education Research Presentation Judging Panelist

2023

21st Meeting of the Australian and New Zealand Assoc of Clinical Anatomists (ANZACA)

Member, Education Research Presentation Judging Panelist

2024

\*Promotion and Tenure External Reviews

Howard University; Indiana University School of Medicine; University of Nevada, Reno; University of Illinois at Chicago; Stony Brook University; University of Vermont; Icahn School of Medicine at Mount Sinai; Arizona State University

2022-present

\*International Federation of Associations of Anatomists (IFAA)

Federative International Committee on Scientific Publications (FISCP)

Member

2023-present

\*International Federation of Associations of Anatomists (IFAA)

Federative International Programme for Anatomy Education

Member

2025-present

**SERVICE TO AMERICAN ASSOCIATION FOR ANATOMY** [\* in current rank]

Activity: Advisory Committee for Young Anatomists (now Committee for Early Career Anatomists)

Role: Member/Chair

Year: 2006-2008

Advisory Committee for Young Anatomists (now Committee for Early Career Anatomists)

Chair

2008-2010

Experimental Biology Meeting

Symposium Organizer: Anatomy of Human Evolution

2008

Membership Committee

Member

2008-2010, 2014-2016

Biological Anthropology Mini-Meeting at Experimental Biology Meeting

Symposium Organizer: Comparative Primate Functional Anatomy

2010

125th Anniversary Task Force

Member

2010-2013

Public Affairs Committee

Member

2010-2016

Scientific Affairs Committee

Member

2011-2014

Experimental Biology (FASEB) Meeting

125th Anniversary Plenary Organizer: Functional Anatomy and Paleontology

2013

Strategic Planning Task Force (Vision for 2023)

Member

2013

Strategic Planning Retreat (Vision for 2023)

Participant

2013

Online Community Task Force

Member

2014

Board of Directors

Elected Member

2016-2019

Diversity and Inclusion Task Force

Member

2016-2019

Experimental Biology Meeting

Symposium Organizer: Storytelling and the Art of Effective Science Communication Part I

2017

Experimental Biology Meeting

Professional Development Luncheon: Storytelling and the Art of Effective Science Communication Part II

2017

Wiley Executive Seminar – Research Communication in a Post-Truth World

AAA Leadership Representative

2017

Strategic Planning Retreat (Vision for 2027)

Participant

2017

March for Science Summit, Chicago, IL

AAA Leadership Representative

2018

Annual Biomedical Research Conference for Minority Students, Indianapolis, IN

AAA Leadership Representative

2018

Awards Portfolio Task Force

Chair

2018-2020

Recognition Award Task Force

Chair

2019-2020

Diversity, Equity, and Inclusion Committee

Inaugural Member

2019-2021

FASEB Capitol Hill Day

AAA Representative

2019

FASEB Capitol Hill Day – Cancelled due to COVID

AAA Representative

2020

Online Teaching Resources Community – AnatomyConnected

Co-Curator (w/ V DeLeon, C Hill, L Johnson, C Krebs, M McNulty, J Wisco)

2020-2021

Innovations Grant Task Force

Member

2021

Excellence in Diversity, Equity, and Inclusion Award Committee

Reviewer

2021

FASEB Capitol Hill Day

AAA Representative and Indiana Delegation Group Leader (w/ L Plotkin, M Kacena, J Lowery, A Essex, K Gries)

2022

AAA Stand-Alone Meeting Working Group

Member, representing Anatomical Sciences Education Journal

2022

Experimental Biology Meeting

Symposium Organizer: Evolution of a Discipline – The Changing Face of Anatomy

2022

Congress of the International Federation of Associations of Anatomists

Symposium Organizer: Evolution of a Discipline – The Changing Face of Anatomy

2022

Graduate Student Awards Task Force

Member

2022

\*AAA Science Communication Bootcamp, Indianapolis, IN

Organizer and Trainer

2019-present

**PUBLICATIONS** [\* in current rank]

**PUBLICATIONS IN TEACHING**

**REFEREED PUBLICATIONS IN TEACHING** [\* in current rank, † student mentee]

Peer-Reviewed Digital Learning Resources

1. Morton D, Frankel P, Hoagland T, Nielsen M, **Organ J**, Pratt R, Tomco R, Wisco J, Zollinger J, Zumwalt A. 2012-2017. *AnatomyOne* (anatomyone.com), Amirsys/Elsevier: Salt Lake City, UT**. Author of 23 peer-reviewed gross anatomy e-learning modules for medical, professional, graduate, and undergraduate students and 100+ National Board of Medical Examiners-style review questions**: *Anterior Compartment of Leg; Anterior Compartment of Thigh and Femoral Triangle; Arteries: Lower Limb; Deep Back Muscles; Foot; Foot Muscles; Gait; Hip Joint; Hip Muscles; Knee Joint and Popliteal Fossa; Lateral Compartment of Leg; Leg Muscles; Lower Limb; Lower Limb Muscles; Medial Compartment of Thigh; Posterior Compartment of Leg and Tarsal Tunnel; Posterior Compartment of Thigh; Spinal Nerve Anatomy; Superficial Back Muscles; Superficial Structures of Lower Limb; Thigh Muscles; Veins: Lower Limb; Vertebral Column.* In 2017, Elsevier closed anatomyone.com and repackaged it as *Amirsys Anatomy Reference Center* (below).

2. **Organ JM**. 2017. *Amirsys Anatomy Reference Center* (app.anatomyreferencecenter.com), Elsevier: Salt Lake City, UT. Author of **21** **peer-reviewed gross anatomy learning modules for clinicians**: *Ankle and Foot; Anterior Compartment of Leg; Anterior Compartment of Thigh and Femoral Triangle; Arteries: Lower Limb; Deep Back Muscles; Foot Muscles; Gait; Hip Joint; Hip Muscles; Knee Joint and Popliteal Fossa; Lateral Compartment of Leg; Leg Muscles; Medial Compartment of Thigh; Posterior Compartment of Leg and Tarsal Tunnel; Posterior Compartment of Thigh; Spinal Nerve Anatomy; Superficial Back Muscles; Superficial Structures of Lower Limb; Thigh Muscles; Veins: Lower Limb; Vertebral Column.*

3. **Organ JM**. 2023. [*Primal Pictures’ Anatomy.tv Learning Outcomes for Medicine*](https://primalpictures.com/video/anatomy-learning-outcomes-for-medicine-video/), Primal Pictures, London, UK. In collaboration with the Anatomical Society. **Writer, Developer, and Presenter of 4 peer-reviewed lecture video tutorials on the thorax**: *Learning Objective (LO) 50 – Demonstrate the main anatomical features and surface landmarks of the thoracic vertebrae, ribs, and sternum; LO 51 – Describe the anatomy of the joints between the ribs, vertebrae, costal cartilages and sternum, and explain their contribution to the movements of ventilation; LO 68 – Describe the origin, course, and distrubtion of the vagus and phrenic nerves; LO 69 – Describe the distribution and function of the sympathetic chains and thoracic splanchnic nerves, and explain the mechanism of referred pain from the T1-T5 sympathetic afferents to the chest wall and relate it to the thoracic viscera.*

Peer-Reviewed Teaching Journal Papers

4. Hoffmann-Longtin K, **Organ JM**, Helphenstine JV, Reinoso DR, Morgan ZS, Weinstein E. 2018. Teaching advocacy communication to pediatric residents: the efficacy of applied improvisation as a training tool. Commun Educ 67:438-459.

5. Byram J, **Organ JM**, Yard M, Schmalz N. 2019. Investigating student perceptions of a dissection-based undergraduate gross anatomy course using Q methodology. Anat Sci Educ 13:149-157. PMID: 31025550. doi:10.1002/ase.1887.

6. **Organ JM**, Mussell JC. 2021. A case for using eponyms in anatomy to teach bioethics. Anat Sci Educ 14:859-861.

*For this manuscript, I conceived and drafted the case and invited my co-author to comment and contribute to it. I served as corresponding author.*

†7. Longtin K, †Wisner R, **Organ JM**. 2022. It is essential to connect: evaluating a science communication boot camp. Anat Rec 305:992-999. PMID: 35166464 doi:10.1002/ar.24894.

*For this manuscript, I contributed to the study design, performed the quantitative data analysis of the mixed-method design, drafted and revised the manuscript, and served as corresponding author. Funding source: American Association for Anatomy Innovations Grant (Organ and Longtin, Co-PIs).*

8. **Organ JM**, Comer AR. 2022. Evolution of a discipline – The changing face of anatomy. Anat Rec 305:766-771. PMID: 35194948 doi:10.1002/ar.24901

*This manuscript is the introduction to our special issue of The Anatomical Record that details the history and ethics of the discipline of anatomy and the American Association for Anatomy through the lenses of diversity, equity, and inclusion. The idea for the special issue was mine but I invited my co-author and co-editor Amber Comer to join me because she is an expert in bioethics and helped strengthen that side of the review process for the 22 manuscripts included in our special issue – all of which I solicited from the authors based on conversations we’ve had over the last several years through our international community of practice. This is a deeply personal review of all the papers in the special issue and I am immensely proud of this work.*

†9. Sanders KA, Philp JAC, Jordon CY, †Cale AS, Cunningham CL, **Organ JM**. 2022. Anatomy Nights: an international public engagement event increases audience knowledge of brain anatomy. PLOS ONE 17(6):e0267550. <https://doi.org/10.1371/journal.pone.0267550>

*This manuscript evaluates a public engagement program called Anatomy Nights, where anatomists teach basic organ anatomy to a public audience in a pub or bar and follow it up with a demonstrated dissection of animal organs. In this manuscript, we describe the public learning outcomes after a Halloween-themed Anatomy Night on the brain. This program is an international program and Indianapolis/IU is the only site in the US that has participated to date.*

†10. †Cale AS, Byram JN. **Organ JM**, †Schmalz NA. 2022. A whole new perspective on how the body fits together – an evaluation of a cadaver laboratory experience for high school students. Anat Sci Educ 16:291-304. <https://doi.org/10.1002/ase.2229>

*For this manuscript, I contributed to the study design, submitted the IRB application that was granted exempt status, and edited and revised the manuscript.*

†11. †Robertson KA, **Organ JM**, Yard M, Byram JN. 2024. First Patient Project: Engaging Pathology through the Donor Dissection Experience and its Role in Professionalism. Anat Sci Educ 17:199-212. PMID: 37803942

*For this manuscript, I contributed to the study design, submitted the IRB application that was granted exempt status, interpreted data, and co-authored and edited the manuscript.*

12. Cornwall J, White R, Pennefather P, Hildebrandt S, Gregory J, Smith HF, **Organ J**, Krebs C. 2025. Legal and ethical considerations around the use of existing illustrations to generate new illustrations in the anatomical sciences. Anat Sci Educ 18:289-300. <https://doi.org/10.1002/ase.70002>.

\*†13. †Gomez VC, Philp JAC, **Organ JM**, Sanders KA. A limited global perspective on what makes anatomical public engagement good or bad. Accepted at Anat Sci Educ on 02/14/2025.

**INVITED BOOK CHAPTERS IN TEACHING** [\* in current rank]

1. Burr DB, **Organ JM**. 2017. Postcranial skeletal development and its evolutionary implications. In: CJ Percival and JT Richtsmeier, eds. Building Bones: Studies of Bone Growth in Anthropology. Cambridge: Cambridge University Press, pp 148-174.

*For this book chapter, my contribution was to write the review of evolutionary implications of the specific aspects of postcranial skeletal development that my co-author described.*

2. **Organ JM**. 2017. Tail anatomy. In: A Fuentes, editor. The International Encyclopedia of Primatology. New York: Wiley-Blackwell, pp 1-2.

*This invited review covers what is known about the anatomy of the primate tail and what anatomical specializations distinguish tails that can suspend the weight of the animal (prehensile) from ones that cannot (nonprehensile).*

3. **Organ JM**. 2017. Dermatoglyphics. In: A Fuentes, editor. The International Encyclopedia of Primatology. New York: Wiley-Blackwell, pp 1-3.

*This invited review covers what is known about the development and anatomy of tactile surfaces of the hands and feet, how they vary among living primates, how they are used in criminal investigations and how they are used to predict health risks.*

4. Burrows AM, **Organ JM**. 2017. Prosimian locomotion. In: J Vonk, T Shackelford, editors. Encyclopedia of Animal Cognition and Behavior. New York: Springer, pp 1-9.

*This invited review covers what is known about the taxonomic and locomotor diversity of prosimian primates, and how and why differences in locomotor repertoire are associated with body size differences.*

5. **Organ JM**, Byram J. 2019. Appendix A: Osteology. In: Shook B, Aguilera K, Nelson K, Braff L, editors. *Explorations: An Open Invitation to Biological Anthropology*. Arlington, VA: American Anthropological Association, pp 1-48.

*This invited textbook chapter reviews the skeletal system at a level appropriate for undergraduate students, covering the following topics, including bone development, forensic anthropology, and evolutionary biology contexts for interpreting skeletal remains.*

6. **Organ JM**. 2021. Leonardo da Vinci: art, science, and the birth of biomechanics. In: de Lumley H, editor. *COLLOQUE INTERNATIONAL LÉONARD DE VINCI, ANATOMISTE: Pionnier de l’Anatomie Comparée, de la Bioméchanique, de la Bionique et de la Physiognomonie.* Paris: CNRS Éditions. pp 105-112.

*This chapter published the edited transcript of my live presentation, “Leonardo da Vinci: art, science and the birth of biomechanics,” at the International Colloquium on Leonardo da Vinci, the Anatomist, at Chateau Royal d’Amboise and Chateau du Clos Lucé, in Amboise, France. The colloquium was organized in October 2019 o*rganized by the Institut de Paléontologie Humaine, Paris.

7. Deane AS, **Organ JM**, Muchlinski MN. 2022. A muscular perspective on human evolution: locomotor insights from analyses of primate muscle architecture and fiber type. In: MK Ptirri and JT Richtsmeier, eds. *Evolutionary Cell Processes in Primates, Volume I: Bones, Brains and Muscle.* Boca Raton: CRC Press, pp 97-132.

*I was invited to contribute the primer on muscle structure and function to this textbook chapter on using muscle anatomy to investigate changes in locomotion in the human fossil record.*

8. **Organ JM**, Taylor AM. 2023. Science communication and biomedical visualization: two sides of the same coin. In S Border, PM Rea, ID Keenan, editors. *Biomedical Visualisation Volume 16—Digital Visualisation in Biomedical Education,* *Advances in Experimental Medicine and Biology.* Switzerland: Springer Nature, pp. 3-12.

*I was invited to contribute this piece on science communication and its relationship to biomedical visualization. I recruited Adam Taylor to help me with the chapter as it relates to his area of expertise in communicating anatomy with the public.*

9. **Organ JM**, Byram J. 2023. [Appendix A: Osteology](https://pressbooks.calstate.edu/explorationsbioanth2/back-matter/appendix_a/). In: Shook B, Aguilera K, Nelson K, Braff L, editors. *Explorations: An Open Invitation to Biological Anthropology, 2nd Edition*. Arlington, VA: American Anthropological Association.

*This invited textbook chapter reviews the skeletal system at a level appropriate for undergraduate students, covering the following topics, including bone development, forensic anthropology, and evolutionary biology contexts for interpreting skeletal remains. In the revision, we were tasked with making the chapter more accessible to diverse student populations, with an eye toward diversity, equity, inclusion, and justice.*

Book chapters in process

\*†10. †Gomez V, **Organ JM**. Chapter 47, Outreach. In: Brown M, Finn G, Church H, Byrne M, Gill-Brown I, editors. *A visual guide to qualitative research: examples for health professions education.* Cambridge, UK: Cambridge University Press. Submitted for review on 09/02/2024.

**EDITORIALS/COMMENTARIES IN TEACHING** [\* in current rank]

1. **Organ JM**, Smith HF, Trainor PA, Allen K, Balta JY, Beresheim AC, Brewer-Deluce D, Brown KM, Burrows AM, Byers KT, Byram JN, Cale AS, Carroll MA, Champney T, Cornwall J, Dayal MR, DeLeon VB, Dunnwald M, Ferrigno C, Finn GM, Fox GM, Geller PL, Guttmann GD, Harper N, Harrell KM, Hartstone-Rose A, Hildebrandt S, Hortsch M, Jackson J, Johnson LE, Lohman Bonfiglio CM, McCumber TL, Menegaz RA, Mussell JC, O’Loughlin VD, Otobo T, Oyedele O, Pascoe MA, Person D, Reidenberg JS, Robinson RE, Rogers KA, Ros MA, Ross CF, Sanders KA, Schmitt B, Schoenwolf GC, Smith TD, Smith TC, Sumner DR, Taylor AB, Taylor MJ, Teaford MF, Topp KS, Willmore KE, Wisco JJ, Yang J, Zumwalt AC. 2023. Personal autotomy and self-determination are crucial for professionalism in healthcare. Anat Sci Educ 16:571-573. <https://doi.org/10.1002/ase.2278>

2. **Organ JM**. 2024. ASE's next chapter: new horizons in anatomy and medical education. Anat Sci Educ 17:5-6.

3. Wilson AB, Bay BH, Byram JN, Carroll MA, Finn GM, Hammer N, Hildebrandt S, Krebs C, Wisco JJ, **Organ JM**. 2024. Journal recommended guidelines for survey-based research. Anat Sci Educ 17:1389-1391.

4. Wilson AB, Bay BH, Byram JN, Carroll MA, Finn GM, Hammer N, Hildebrandt S, Krebs C, Wisco JJ, **Organ JM**. 2024. Journal recommended guidelines for systematic reviews and meta-analyses. Anat Sci Educ 17:1392-1395.

5. **Organ JM**. 2024. *ASE:* where anatomy and spirituality intersect. Anat Sci Educ 17:1521-1522.

\*6. Wisco JJ, **Organ JM**. 2025. Opening the black box of psychometrics. Accepted at Anat Sci Educ on 06/27/2025.

**REFEREED BOOK REVIEWS IN TEACHING** [\* in current rank]

1. **Organ JM**. 2008. Book Review, Thieme Atlas of Anatomy: General Anatomy and Musculoskeletal System, and Thieme Atlas of Anatomy: Neck and Internal Organs. JAMA 299:224-225.

2. **Organ JM**. 2009. Book Review, Lippincott Williams & Wilkins Atlas of Anatomy. JAMA 301:1828-1829.

3. **Organ JM**. 2010. Book Review, Andreas Vesalius: The Making, The Madman, and The Myth. JAMA 304:215-216.

4. **Organ JM**. 2016. Book Review, Primate Comparative Anatomy. Am J Phys Anthropol 160:361-362.

**CONFERENCE PRESENTATIONS IN TEACHING** [\* in current rank, † student mentee]

1. **Organ JM**, Hoffmann-Longtin K, Rossing J. Storytelling and the art of effective science communication, part I. American Association for Anatomy at Experimental Biology, Chicago, IL, 2017. **90-minute science communication workshop**.

2. **Organ JM**, Hoffmann-Longtin K, Rossing J. Storytelling and the art of effective science communication, part II. American Association for Anatomy at Experimental Biology, Chicago, IL, 2017. **One-hour professional development workshop**.

3. **Organ J**, Wininger M, Hoffmann-Longtin K. Development of a graduate minor in communicating science at Indiana University. American Association for Anatomy at Experimental Biology, San Diego, CA, 2018. Poster presentation. Abstract: FASEB J 32:12.17.

4. Hoffmann-Longtin K, **Organ J**, Wininger M, Hughes K, Shetty T. Making science make sense: using applied improvisational theater to teach science communication. Inaugural Indiana University Teach, Play, Learn Conference, South Bend, IN, 2018. **One-hour hands-on conference workshop**.

5. Hoffmann-Longtin K, **Organ J**, Morgan ZS, Helphenstine J, Reinoso D, Weinstein E. Teaching advocacy communication to pediatric residents: the efficacy of applied improvisational theater (AIT) as an instructional tool. National Communication Association Annual Meeting, Salt Lake City, UT, 2018. Program available at <https://www.natcom.org/sites/default/files/annual-convention/NCA_Convention_Archives_2018_Program.pdf>

6. Shetty T, Hughes K, Hoffmann-Longtin K, **Organ JM**, Wininger M, Corson TW. Using game simulation to disseminate vision research and connect with the community. Science Communicators Association of New Zealand Annual Meeting, Thomdon, Wellington, New Zealand, 2018. Program available at <https://static1.squarespace.com/static/548f88e6e4b0508123434c68/t/5bf468fccd836661cca1ba0b/1542744320954/SCANZ+conference+programme+2018+F1.pdf>

7. Byram JN, **Organ JM**, Yard M, Schmalz NA. Q methodology course evaluation: investigating student perceptions of a dissection-based undergraduate gross anatomy course. American Association for Anatomy at Experimental Biology, Orlando, FL, 2019. Poster presentation. Abstract: FASEB J 33:604.8.

8. **Organ JM**, Hoffmann-Longtin K. Changing the public perception of anatomy: why association-level science communication and advocacy training is critical. 19th Congress of the International Federation of Associations of Anatomists, London, UK, 2019. Podium presentation.

9. **Organ JM**. Leonardo da Vinci: Art, science, and the birth of biomechanics. Colloque International, Léonard de Vinci, Anatomiste: Pionnier de l’Anatomie comparée, de la Bioméchanique, de la Bionique et de la Physiognomonie; Chateau Royal d’Amboise et Chateau du Clos Lucé, Amboise, France. Organized by Institut de Paléontologie Humaine, Paris, 2019. Podium presentation.

10. **Organ JM**, Hoffmann-Longtin K. Science has a communication problem—together anatomists can solve it. Anatomical Society Winter Meeting, Lancaster, UK, 2019. Podium presentation.

11. **Organ JM**, Hoffmann-Longtin K. Science communication boot camp: An American Association for Anatomy program to empower members with skills in effective public communication strategies. American Association for Anatomy at Experimental Biology, San Diego, CA, 2020. Poster presentation. Abstract: <https://doi.org/10.1096.fasebj.2020.34.s1.04606>. Cancelled due to COVID.

12. Byram J, Deane AS, **Organ JM**. Engaging High School Students with Gross Anatomy Lab Tours. American Association for Anatomy at Experimental Biology, San Diego, CA, 2020. Science Outreach Poster presentation – abstract not published. Cancelled due to COVID.

13. **Organ JM**, Deane AS. Flipping classrooms in graduate anatomical sciences courses. IUPUI Center for Teaching and Learning Scholarly Teaching Symposium, Indianapolis, IN, 2020. Podium presentation.

14. **Organ J**, Hoffmann-Longtin K. AAA science communication bootcamp: empowering members with effective communication strategies. American Association for Anatomy at Experimental Biology, Virtual Meeting, 2021. Podium presentation. Abstract: <https://doi.org/10.1096.fasebj.2021.35.s1.04321>.

15. Brokaw JJ, Azim H, Bendinger JE, Byers KT, Dufeau DL, Hanson DC, **Organ JM**, O’Loughlin VD. Remembering our past: teaching the history of anatomy at Indiana University. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

16. **Organ JM.** Linking in and getting out of the ResearchGate – developing your online profile. 20th Congress of the International Federation of Associations of Anatomists, Istanbul, Turkey, Virtual Meeting, 2022. Invited podium presentation.

17. **Organ JM**. Active learning in anatomical sciences education: emerging from the pandemic. 20th Congress of the International Federation of Associations of Anatomists, Istanbul, Turkey, Virtual Meeting, 2022.

†18. †Gomez V, **Organ J**, Yard M, Byram J. Understanding the impact of an undergraduate human anatomy course. American Association for Anatomy, Anatomy Connected 2023, Washington, DC.

†19. †Kelm DK, **Organ J**, Agosto ER. Student perceptions of a specifications grading system in a graduate level gross anatomy course. American Association for Anatomy, Anatomy Connected 2023, Washington, DC.

†20. †Robertson K, **Organ J**, Yard M, Byram J. Reflection on whole-body-dissection as a mechanism for personal and professional development. American Association for Anatomy, Anatomy Connected 2023, Washington, DC.

21. **Organ JM.** Making science make sense: effective strategies to engage with the public. 7th International Anatomical Science and Cell Biology Conference & 46th Annual Conference of the Anatomy Association of Thailand, 2024, Pattaya, Chonburi, Thailand.

22. Sanders K, **Organ J**, Philp J. The international landscape of public engagement in anatomy. 21st Congress of the International Federation of Associations of Anatomists, 2024, Gwangju, South Korea. Podium presentation.

23. **Organ JM**. Does public dissection bridge anatomy education and community engagement? 21st Congress of the International Federation of Associations of Anatomists, 2024, Gwangju, South Korea. Podium presentation.

**PUBLICATIONS IN RESEARCH**

**REFEREED PUBLICATIONS IN RESEARCH** [\* in current rank, † student mentee]

1. **Organ JM**, Teaford MF, Larsen CS. 2005. Dietary inferences from dental occlusal microwear at Mission San Luis de Apalachee. Am J Phys Anthropol 128:801-811. PMID: 16134151.
2. **Organ JM**, Ruff CB, Teaford MF, Nisbett RA. 2006. Do mandibular cross-sectional properties and dental microwear give similar dietary signals? Am J Phys Anthropol 130:501-507. PMID: 16425187.
3. **Organ JM**, Ward CV. 2006. Contours of the hominoid lateral tibial condyle with implications for *Australopithecus*. J Hum Evol 51:113-127. PMID: 16563467.

4. **Organ JM**, Teaford MF, Taylor AB. 2009. Functional correlates of fiber architecture of the lateral caudal musculature in prehensile and nonprehensile tails of the Platyrrhini (Primates) and Procyonidae (Carnivora). Anat Rec 292:827-841. PMID: 19402068.

5. Sylvester AD, **Organ JM**. 2010. Curvature scaling in the medial tibial condyle of large bodied hominoids. Anat Rec 293:671-679. PMID: 20235323.

6. **Organ JM**, DeLeon VB, Wang Q, Smith TD. 2010. From head to tail: new models and approaches in primate functional anatomy and biomechanics. Anat Rec 293:544-548. PMID: 20235310.

7. **Organ JM**. 2010. Structure and function of platyrrhine caudal vertebrae. Anat Rec 293:730-745. PMID: 20235328.

8. **Organ JM**, Muchlinski MN, Deane AS. 2011. Mechanoreceptivity of prehensile tail skin varies between ateline and cebine primates. Anat Rec 294:2064-2072. PMID: 22042733.

9. **Organ JM**, Lemelin P. 2011. Tail architecture and function of *Cebupithecia sarmientoi*, a Middle Miocene platyrrhine from La Venta, Colombia. Anat Rec 294:2013-2023. PMID: 22042718.

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31. Menegaz RA, Ladd SH, **Organ JM**. 2020. Craniofacial allometry in the OIM-/- mouse model of osteogenesis imperfecta. The FASEB J 34:10850-10859. PMID: 32592291

*For this manuscript, I contributed to experimental design, data analysis, as well as editing and revising the final manuscript. Funding source: Ralph W. and Grace M. Showalter Research Trust (Organ, PI); IU Collaborative Research Grant (Organ, PI).*

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*For this manuscript, I contributed to experimental design, data analysis, as well as editing and revising the final manuscript. Funding source: Ralph W. and Grace M. Showalter Research Trust (Organ, PI); IU Collaborative Research Grant (Organ, PI).*

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†34. Moore JC, †Husain TS, Huston LA, Steele AT, **Organ JM**, Gonzales LA, Menegaz RA, Handler EK. 2024. Dental tissue changes in juvenile and adult mice with osteogenesis imperfecta. Anat Rec 307:600-610. PMID: 37638385.

*For this manuscript, I contributed to experimental design, data analysis, as well as editing and revising the final manuscript. Funding source: Ralph W. and Grace M. Showalter Research Trust (Organ, PI); IU Collaborative Research Grant (Organ, PI).*

35. Deane AS, Muchlinski MN, **Organ JM**, Vereecke E, Bistrekova V, Hayes L, Butterfield T. 2024. The comparative and functional anatomy of the forelimb muscle architecture of Humboldt’s woolly monkey (*Lagothrix lagotricha*). Anat Rec 307:3850-3869.

*For this manuscript, I contributed to experimental design, data interpretation, and editing/revision of all drafts of the manuscript.*

Manuscripts in process

\*†36. †Miller CA, Murabito L, Wright TR, McBride AH, **Organ JM**, Menegaz RA. In Review. Loading affects craniofacial bone quality in osteogenesis imperfecta. Submitted to Journal of Dental Research on 07/01/2024.

**INVITED REVIEWS IN RESEARCH** [\* in current rank]

1. Allen MR, McNerny EMB, **Organ JM**,Wallace JM. 2015.True gold or pyrite: a review of reference point indentation for assessing bone mechanical properties *in vivo*. J Bone Miner Res 30:1539-1550. PMCID: PMC4825864

**LETTERS/COMMENTARIES IN RESEARCH** [\* in current rank]

1. Allen MR, McNerny EMB, **Organ JM**, Wallace JM. 2015. Reply to letter to the editor: true gold or pyrite: a review of reference point indentation for assessing bone mechanical properties *in vivo*. J Bone Miner Res 30:2327. PMID: 26332616

**CONFERENCE PRESENTATIONS IN RESEARCH** [Since 2013, \* in current rank, † student mentee]:

†1. †Schmalz NA, Finan TJ, **Organ JM**. Microwear texture analysis of mandibular molars recovered from four Medieval sites in England and Ireland. American Association of Physical Anthropologists Annual Meeting, Knoxville, TN, 2013. Poster presentation. Abstract: Am J Phys Anthropol 150:243.

2. **Organ JM**, Gallant MA, Aref M, Wallace JM, Burr DB, Newman CL, Brown DM, Allen MR. *In vivo* assessment of skeletal biomechanical properties reveals beneficial effects of combination anti-remodeling drug treatment. American Association for Anatomy at Experimental Biology Annual Meeting, Boston, MA, 2013. Poster presentation. Abstract: FASEB J 27:LB32.

3. **Organ JM**, Dunsworth HM. Ontogeny of *Pan troglodytes* and *Macaca mulatta* metatarsal cross-sectional properties and comparisons to the Miocene catarrhine *Proconsul*. American Association for Anatomy at Experimental Biology Annual Meeting, Boston, MA, 2013. Poster presentation. Abstract: FASEB J 27:756.9.

4. **Organ JM**, Gallant MA, Aref M, Wallace JM, Burr DB, Newman CL, Brown DM, Allen MR. *In vivo* assessment of skeletal biomechanical properties reveals beneficial effects of combination anti-remodeling drug treatment. Sun Valley Musculoskeletal Biology Workshop, Sun Valley, ID, 2013. Poster presentation. Abstracts available at <http://www.ibmsonline.org/d/do/1112>.

5. **Organ JM**, Gallant MA, Aref M, Wallace JM, Burr DB, Newman CL, Brown DM, Allen MR. *In vivo* assessment of skeletal biomechanical properties reveals beneficial effects of combination anti-remodeling drug treatment. American Society for Bone and Mineral Research Annual Meeting, Baltimore, MD, 2013. Poster presentation. Abstract: J Bone Miner Res 28 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=0c4301ed-ffa3-4e58-8a75-bc6c2f411b59>.

†6. †Joll JE, †Rupert JE, †Mihajlovich J, **Organ JM**. Structure and mechanics of prehensile tail vertebrae. Indiana Academy of Sciences Annual Meeting, Indianapolis, IN, 2014. Poster presentation. Abstract available at <http://www.indianaacademyofscience.org/getattachment/Events-Meetings/Annual-IAS-Meetings-Archive/IAS2014Program.pdf>.

7. Byron CD, Condon KW, **Organ JM**. The effects of fine branch arboreality on the tail musculature in a non-specialized climber. American Association of Physical Anthropologists Annual Meeting, Calgary, AB, 2014. Poster presentation. Abstract: Am J Phys Anthropol 153:88.

†8. †Rupert JE, Byron CD, Condon KW, Butcher MT, **Organ JM**. Hierarchical analysis of bone and muscle structural, material, and physiological properties improves our understanding of their integrated functions. American Association of Physical Anthropologists Annual Meeting, Calgary, AB, 2014. Poster presentation in invited symposium: From the ground up: integrative research in primate locomotion (T. Nalley, K. Lewton, organizers). Abstract: Am J Phys Anthropol 153:226.

9. Baum R, **Organ JM**, Burr DB, Rothstein A, Fitzgerald KA, Gravallese EM. The STING pathway regulates bone remodeling in a model of autoimmune disease. American College of Rheumatology Annual Meeting, Boston, MA, 2014. Abstract available at <http://acrabstracts.org/abstracts/the-sting-pathway-regulates-bone-remodeling-in-a-model-of-autoimmune-disease/>.

10. Baum R, Sharma S, Maeda Y, Manning C, **Organ J**, Burr D, Rothstein A, Fitzgerald K, Gravallese E. Role of the STING cytosolic DNA sensor pathway in bone remodeling. American Society for Bone and Mineral Research Annual Meeting, Houston, TX, 2014. Poster presentation. Abstract: J Bone Miner Res 29 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=d1ee3f1d-b05f-4350-b7b4-334e15725ac8>.

11. Moe S, Chen N, Newman C, **Organ J**, Gattone V, Kneissel M, Kramer I, Allen M. Anti-sclerostin antibody treatment of renal osteodystrophy. American Society for Bone and Mineral Research Annual Meeting, Houston, TX, 2014. Poster presentation. Abstract: J Bone Miner Res 29 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=67a23890-29b6-47d3-b259-282adabf7c9c>.

12. Snowden K, Bistrekova V, Hays L, Witt W, Miller M, Muchlinski M, **Organ J**, Abshire S, Butterfield T, Deane A. Growing up woolly: infant riding and the ontogenetic scaling of forelimb and hindlimb musculature of Humboldt’s woolly monkey (*Lagothrix lagotricha*). American Association of Physical Anthropologists Annual Meeting, St. Louis, MO, 2015. Poster presentation. Abstract: Am J Phys Anthropol 156:292.

13. Nalley TK, Grider-Potter N, **Organ JM**. Tarsiers are real head turners: morphologies related to extreme axial rotation in the cervical vertebral column. American Association of Physical Anthropologists Annual Meeting, St. Louis, MO, 2015. Podium presentation in invited symposium: The last link: tarsiers (A. Rosenberger, organizer). Abstract: Am J Phys Anthropol 156:233.

†14. †Srisuwananukorn A, Allen MR, Brown DM, Wallace JM, **Organ JM**. *In vivo* reference point indentation measurement variability in skeletally mature inbred mice. American Association for Anatomy at Experimental Biology, Boston, MA, 2015. Poster presentation. Abstract: FASEB J 29:698.1.

†15. †Joll JE, †Vickery B, †Rupert JE, Biro KC, Wallace JM, Byron CD, **Organ JM**. Mechanical effects of fine-wire climbing on the hindlimb skeleton of mice. American Association for Anatomy at Experimental Biology, Boston, MA, 2015. Poster presentation. Abstract: FASEB J 29:698.2. *Designated as a finalist for the undergraduate poster presentation competition at EB2015*.

16. Avin KG, Chen NX, **Organ JM**, O’Neill KD, Moe SM. Altered myogenesis and oxidative stress in a rat model of chronic kidney disease. American Society of Nephrology annual meeting, San Diego, CA, 2015. Poster presentation. Abstract: J Am Soc Nephrol 26 (2015): FR-PO840.

17. McNerny E, **Organ J**, Newman C, Brown D, Wallace J, Allen M. *In vivo* RPI by BioDent, but not OsteoProbe, correlates with bone tissue-level mechanical properties. American Society for Bone and Mineral Research Annual Meeting, Seattle, WA, 2015. Poster presentation. Abstract: J Bon Miner Res 30 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=5bed1f1b-b3f5-42af-9e10-e6727e1bfc3f>.

18. Brown D, McNerny E, **Organ J**, Newman C, Jepsen K, Allen M. Bisphosphonate treatment differentially affects bone mechanical properties of mice with robust and slender bone. American Society for Bone and Mineral Research Annual Meeting, Seattle, WA, 2015. Poster presentation. Abstract: J Bon Miner Res 30 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=83ecb688-ac7c-4b6c-b0cf-f578fbda3ec8>.

19. Aref M, Brown D, McNerny E, **Organ J**, Newman C, Territo P, Allen M. *In vivo* MRI and RPI measures reveal the positive effects of raloxifene on bone properties. American Society for Bone and Mineral Research Annual Meeting, Seattle, WA, 2015. Poster presentation. Abstract: J Bon Miner Res 30 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=a84362a4-4ed5-48cc-9fb7-eda4e3499e87>.

†20. **Organ J**, †Vickery B, †Joll J, Biro K, Byron C, Wallace J, Allen M. Low-impact multi-directional mechanical loading using a fine-wire climbing substrate enhances mechanical properties of the mouse femur. American Society for Bone and Mineral Research Annual Meeting, Seattle, WA, 2015. Poster presentation. Abstract: J Bon Miner Res 30 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=a8161ce2-a52a-4b25-98aa-273d2ecaf3ef>.

21. Berman A, Brown D, Bart Z, McNerny E, **Organ J**, Newman C, Allen M, Wallace J. Raloxifene reduces skeletal fractures in homozygous OIM male mice. American Society for Bone and Mineral Research Annual Meeting, Seattle, WA, 2015. Poster presentation. Abstract: J Bon Miner Res 30 (Suppl 1), available at <http://www.asbmr.org/education/AbstractDetail?aid=4bda1d83-9ac3-4b65-99c9-cc9092f1e6bd>.

22. Avin K, Chen NX, Moe SM, Allen MR, **Organ JM**. Exercise improves skeletal muscle, but does not alter disease progression in a rat model of chronic kidney disease. American Society of Nephrology annual meeting, Chicago, IL, 2016. Poster presentation. Abstract: J Am Soc Nephrol 27 (2016): FR-PO373.

†23. **Organ J**, Biro K, †Vickery B, †Monnin G, Waning D. Low-impact climbing exercise during growth enhances skeletal muscle function. American Association for Anatomy at Experimental Biology, Chicago, IL, 2017. Poster presentation. Abstract: FASEB J 31:577.16.

†24. **Organ J**, Luger A, †Chavez L, Stachel A, Adriaens D. Phenotypic response in the mouse tail musculoskeletal system associated with differences in tail use and mechanical loading milieus. American Association for Anatomy at Experimental Biology, Chicago, IL, 2017. Poster presentation Abstract: FASEB J 31:LB36.

25. Menegaz RA, **Organ JM**. Craniofacial growth in a mouse model of Osteogenesis Imperfecta. American Association for Anatomy Regional Meeting, Pittsburgh, PA, 2017. Poster presentation. Abstract available at <https://www.anatomy.org/uploads/4/6/5/1/46517773/abstract_book_rm_2017.pdf>

26. Menegaz RA, **Organ JM**. Type I collagen mutations impede craniofacial and dental growth. American Association of Physical Anthropologists Annual Meeting, Austin, TX, 2018. Poster presentation. Abstract: Am J Phys Anthropol 165:175.

†27. †Payne A, †Schmalz N, Byram J, McNulty M, **Organ J**. Pelvic limb and tail musculature of the red kangaroo (*Macropus rufus*). American Association for Anatomy at Experimental Biology, San Diego, CA, 2018. Abstract: FASEB J 32:780.22. *Designated as a finalist for the undergraduate poster presentation competition at EB2018.*

28. Nalley TK, Amin P, Grider-Potter N, McGechie F, **Organ JM**. The blood must flow: vertebral artery size relative to transverse foramen size in the tarsier cervical spine. American Association of Physical Anthropologists Annual Meeting, Cleveland, OH, 2019. Poster presentation. Abstract: Am J Phys Anthropol 168:173.

29. Ladd SH, McBride AH, **Organ JM**, Menegaz RA. Absolute and relative morphometric differences in the craniofacial skeleton of OIM-/- mice and wild-type littermates. American Association for Anatomy at Experimental Biology, Orlando, FL, 2019. Poster presentation. Abstract: FASEB J 33:77.5.

30. McBride AH, Ladd SH, **Organ JM**, Menegaz RA. Craniofacial bone mineral density in mice with Osteogenesis Imperfecta (OI). American Association for Anatomy at Experimental Biology, Orlando, FL, 2019. Poster presentation. Abstract: FASEB J 33:774.3.

31. Deane AS. **Organ JM**, Vereecke E, Muchlinski MN, Butterfield T. The comparative and functional anatomy of appendicular musculature of Humboldt’s woolly monkey (*Lagothrix lagotricha*): What can a (mediocre) suspensory monkey tell us about and human locomotor evolution? American Association for Anatomy at Experimental Biology, San Diego, CA, 2020. Podium presentation. Abstract: <https://doi.org/10.1096/fasebj.2020.34.s1.05709>. Cancelled due to COVID.

32. Wright TR. McBride AH, **Organ JM**, Menegaz RA. Development of craniofacial biomineralization in mice with osteogenesis imperfecta (OI). American Association for Anatomy at Experimental Biology, San Diego, CA, 2020. Poster presentation. Abstract: <https://doi.org/10.1096/fasebj.2020.34.s1.09735>. Cancelled due to COVID.

33. Steele A, Menegaz RA, **Organ JM**. Craniofacial morphology of juvenile mice with osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, San Diego, CA, 2020. Poster presentation. Abstract: <https://doi.org/10.1096/fasebj.2020.34.s1.09473>. Cancelled due to COVID.

†34. †Miller C, Wright T, McBride A, **Organ J**, Menegaz R. Craniofacial bone mineral density during growth in mice with osteogenesis imperfecta (OI). American Association for Anatomy at Experimental Biology, Virtual Meeting, 2021. Poster presentation. Abstract: <https://doi.org/10.1096/fasebj.2021.35.s1.03163>.

†35. †Husain T, †Miller C, Steele A, **Organ J**, Menegaz R. Neurocranial growth in the OIM mouse model of osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Podium presentation. Abstract to be published in May 2022.

†36. Murabito L, †Miller C, **Organ J**, McBride A, Menegaz R. Craniofacial bone mineral density at muscle attachment sites in mice with osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

†37. †Miller C, Steele A, **Organ J**, Menegaz R. Interrelationship between microstructure & macrostructure in the growing hard palate. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

†38. †Huston L, Gonzales L, **Organ J**, Menegaz R, Handler E. Cochlear duct abnormalities in mice with osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

39. Moore J, Menegaz R, Gonzales L, **Organ J**, Handler E. Dental tissue volumes in mice with osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

†40. †Husain T, †Miller C, Steele A, **Organ J**, Gonzales L, Handler E, Menegaz R. Neurocranial growth in the OIM mouse model of osteogenesis imperfecta. American Association for Anatomy at Experimental Biology, Philadelphia, PA, 2022. Poster presentation. Abstract to be published in May 2022.

41. **Organ JM**, Byron CD. Without a net: comparing mouse locomotor modes to study arboreality and its impact on musculoskeletal functional morphology. American Association of Biological Anthropologists, Denver, CO, 2022. Abstract: Amer J Biol Anthropol 177:139.

†42. †Miller CA, Lugo L, †Husain T, **Organ JM**, Handler EK, Gonzales LA, Menegaz RA. Cranial bone ossification trajectories in a mouse model of Osteogenesis Imperfecta. American Association for Anatomy, Anatomy Connected 2023, Washington, DC.

†43. Stalls JA, †Miller CA, **Organ JM**, Handler EK, Gonzales LA, Lesciotto KM, Menegaz RA. Contrast-enhanced micro-CT approaches for visualizing musculoskeletal development in neonatal mice. American Association for Anatomy, Anatomy Connected 2023, Washington, DC.

†44. Ansari Z, †Miller CA, Emmanuel T, Handler EK, Gonzales LA, **Organ JM**, Menegaz RA. Masticatory muscle morphology in early postnatal mice with osteogenesis imperfecta. American Association for Anatomy, Anatomy Connected 2024, Toronto, ON.

†45. †Husain T, †Miller CA, Shah BJ, Gonzales LA, Handler EK, **Organ JM**, Menegaz RA. Cranial suture morphology in mice with osteogenesis imperfecta. American Association for Anatomy, Anatomy Connected 2024, Toronto, ON.

†46. †Miller CA, Emmanuel T, Handler EK, Gonzales LA, **Organ JM**, Menegaz RA. Pre-weaning craniofacial development in mice with OI. American Association for Anatomy, Anatomy Connected 2024, Toronto, ON.

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