

Degrees & Graduate Certificate

Ph.D. in Higher Education Administration

(2014 – May 2020)

Kent State University

Kent, Ohio

Dissertation: *The Impact of Role Assignment on Basic Science Knowledge and Confidence in Undergraduate Nursing Students*

Post-Master's Certificate of College Teaching

(December 2017)

Kent State University

Kent, Ohio

Master of Science degree in Biology

(1997 - 2000)

Youngstown State University

Youngstown, Ohio

Thesis: *Supplemental Dietary Calcium Attenuates the Development of Ventricular Hypertrophy in Borderline Hypertensive Rats*

Bachelor of Science degree in Combined Sciences

(1995 - 1997)

Magna Cum Laude

Youngstown State University

Youngstown, Ohio

Administrative Experience

Northeast Ohio Medical University (NEOMED)

Director of Faculty Development, College of Medicine

(2019 – current)

- Serve in leadership role developing/promoting pedagogical excellence in teaching and learning within the College of Medicine (COM)
- Develop and implement educational strategies that align with evidence-based educational approaches
- Develop and manage internal and external (e.g., [website](#)) [resources](#) and [programmatic offerings](#) (workshops, presentations, etc.) with CME-approval
- Implemented [COM Celebration of Medical Education event](#) in collaboration with COM Office of Medical Education to highlight COM Education Innovation Award recipients and external speakers
- Created [enduring video resources](#) from Celebration event sessions housed on website
- Expanded Celebration event Fall of 2022 to NEOMED-wide [Celebration of Health Professions Education event](#) in collaboration with all NEOMED and university faculty development staff
- Operationalized and administer the [COM Education Innovation Award \(EIA\)](#) - development of award (grant) application and reporting forms; facilitate EIA committee meetings; report EIA budgets to staff; communicate with applicants and recipients
- Oversee management, design, and implementation of COM faculty development programs and consult about appropriate teaching and learning practices
- Represent COM's Office of Medical Education at relevant meetings (e.g., curriculum, faculty, department, college, and university)
- Establish COM faculty development hub through consultation and collaboration with academic deans, program directors, clinical partners, and key stakeholders
- Collaborate with multiple stakeholders to support best teaching and learning practices and assessment

Aultman College of Nursing and Health Sciences (Aultman College)

General Education Adjunct Faculty Coordinator

(2011 – 2017)

- Interviewed/recruited potential adjunct faculty, observed teaching demonstrations, and recommended/initiated hiring in consultation with dean and HR office
- Coordinated and conducted classroom and lab observations and performance evaluations of adjunct faculty
- Collected and reviewed adjunct faculty syllabi
- Principal contact for adjunct questions and course management issues/compliance
- Oriented general education adjunct faculty (e.g., created videos for online orientation to LMS)

Jennifer Hillyer, Ph.D.

Course Coordinator for Anatomy & Physiology

(2010 – 2018)

- Assisted writing grant for Anatomage Table (virtual anatomy dissection table)
- Developed A&P lab curriculum and practicals with Anatomage Table and trained faculty, staff, and students
- Weekly A&P course meetings with instructors to coordinate lab activities, assignments, and assessments
- Developed master course syllabi, including learning competencies and objectives, semester schedules, and open lab schedules for A&P I and II courses
- Conducted continuous student learning outcomes assessment and course review of all A&P courses with improvement action plans in collaboration with A&P instructors
- Ongoing maintenance of A&P lab equipment, inventory, and ordering of lab supplies

Faculty Leadership Positions

Aultman College

Faculty Council Chair-Elect

(2017 – 2018)

General Education Council Chair

(Aug. 2010 – May 2014)

Mount Union College (University of Mount Union)

Human Subjects Committee Chair

(Fall 2007)

Professional Experience

Director of Faculty Development

College of Medicine, NEOMED

(2019 – current)

Assistant Professor of Internal Medicine

College of Medicine, NEOMED

(2021 – current)

Associate Professor of Biology

Foundational Education and Health Professions Division
Aultman College

(2017 – 2018)

Assistant Professor of Biology

Division of General Education, Aultman College

(2015 – 2017)

Anatomy and Physiology Faculty

Division of General Education, Aultman College

(Aug. 2010 – 2015)

Anatomy & Physiology Course Coordinator

Division of General Education, Aultman College

(Aug. 2010 – 2018)

General Education Adjunct Faculty Coordinator

Division of General Education, Aultman College

(Aug. 2011 – May 2017)

Assistant Professor of Biology

Instructor of Biology

Department of Biology

Mount Union College (University of Mount Union)

(2009 – 2010)

(2002 – 2009)

Adjunct Instructor

Department of Biology

Kent State University at Stark

Kent State University at Trumbull

(2001 – 2002)

(2001- 2002)

(Spring 2001)

Adjunct Instructor

Biology

Stark State College

(2001)

Research Assistant

Department of Biochemistry and Molecular Pathology, NEOUCOM

(1999 – 2002; Summer 2003)

**Graduate Teaching Assistant Lecture/
Laboratory Course Instructor**

(1997 – 1999)

Department of Biology and Department of Chemistry
Youngstown State University

Areas of Academic and Teaching Experience

Academic Technology Skills

- SPSS statistical software
- ExamSoft testing software
- Qualtrics survey software
- Canvas LMS
- Moodle LMS
- Sakai LMS
- Elucidat web developer
- Tk20® (Watermark®) assessment software
- Anatomage Table
- Microsoft Office software suite

Northeast Ohio Medical University (NEOMED)

(2019 – current)

- Lean Six Sigma Green Belt and Yellow Belt certified
- Delivered “Teaching with Zoom” session in 3rd year medical elective course
- Developed and facilitated clinical site faculty development sessions with physician educators
- Created, facilitated, and delivered CME-approved faculty development workshops, *Peer Instruction Question Writing* and *Peer Instruction Facilitation*, for M1 and M2 teaching faculty
- Implemented *Peer Instruction Practice Sessions* for new M1 and M2 teaching faculty
- Created and facilitated Program Evaluation session to Fellowship in Academic Medicine fellows (2020-21)
- Health Systems & Community course and Patient, Physician, & Community course PBLI and Journal Club small group faculty leader for M1 and M2 students (2021 – current)

Aultman College

(2010 – 2018)

- Completed Quality Matters Peer Reviewer Course and Quality Matters Applying the QM Rubric
- ExamSoft implementation into A&P curricula – test questions with learning outcome alignment
- Completed Tk20 assessment reporting for A&P I and II courses
- Anatomy and Physiology course curricula submitted and approved by Ohio Board of Regents for Anatomy and Physiology I lecture & lab and Anatomy and Physiology II lecture & lab
- Co-developed competencies and student learning outcomes for Pathophysiology course
- Faculty academic advisor
- Developed BIO 110 (*Human Biology lecture*) and BIO 110L (*Human Biology lab*) courses

Developed and wrote competencies, student learning outcomes, course descriptions, and curricula and taught the following courses including the incorporation of the Anatomage Table technology:

- BIO 205, *Anatomy & Physiology I lecture*
- BIO 205L, *Anatomy & Physiology I lab*
- BIO 207, *Anatomy & Physiology II lecture*
- BIO 207L, *Anatomy & Physiology II lab*

Mount Union College (University of Mount Union)

(2002 – 2010)

BI 210, *Anatomy & Physiology I*
BI 211, *Anatomy & Physiology II*
BI 120, *Contemporary Biology*

**Kent State University at Stark
Kent State University at Trumbull**

(2001 – 02)
(Spring 2001)

BI 10001, *Human Biology*

Stark State College

(Summer, Fall 2001)

BIO 101, *Introduction to Anatomy & Physiology*

Jennifer Hillyer, Ph.D.

Youngstown State University

Biology 552 lab, *Anatomy & Physiology lab*
Biology 505
Chemistry 505, 506, and 515 labs

(1997 – 1998)

(1998 – 1999)

(1997 – 1998)

Academic Service

Northeast Ohio Medical University (NEOMED)

Continuous Quality Improvement (CQI) Committee

(2020 – current)

(formerly the CQI-Strategic Planning Committee)

Higher Learning Commission Criterion Three Subcommittee

(2021 – 22)

Aultman College

Faculty Council

(2017 – 18; 2010 – 2014)

Assessment Committee

(Dec. 2016 – Aug. 2018)

Foundational Education and Health Sciences Council

(2017 – 18)

Governance Leaders Roundtable Council

(2017 – 18)

Technology Strategic Planning Task Force

(2018)

Faculty Workload Committee

(2016 – 2017)

Institutional Effectiveness Council

(2014 – 2016)

General Education Council

(Aug. 2010 – 2017)

Rank & Promotion Committee

(2010 – 2014)

Mount Union College (University of Mount Union)

Pre-Medicine Faculty Committee

(Aug. 2009 – May 2010)

Allied Health Sciences Academic Advisor

(Aug. 2002 – May 2010)

Human Subjects Committee

(Aug. 2003 – May 2009)

Awards and Honors

December 2017: Recognized by Ohio Magazine for Excellence in Education

October 2017: Excellence in Teaching Award for 2017 (Aultman College)

June 2017: 1st place award for Research Poster co-presented with nursing colleague at International Nursing Association for Clinical Simulation and Learning (INACSL) international conference in Washington, D.C.

Publications

Hillyer, J. (2023, February 14). Receiving Feedback – What Do We Really Hear? Harvard Macy Institute #MedEdPearls. <https://harvardmacy.org/blog/february-2023-med-ed-pearls>

Hillyer, J. (2022, February 14). Retooling the Facilitator Toolbox for Learning. Harvard Macy Institute #MedEdPearls. <https://harvardmacy.org/index.php/hmi/mededpearls-february-2022>

Hillyer, J. M., & Gordon, K. A. (2020). Connecting anatomy and physiology concepts in an interdisciplinary high-fidelity patient simulation with undergraduate nursing and allied health students. *Advances in Physiology Education*, 44(1), 113-118. <https://doi.org/10.1152/advan.00212.2018>

Hillyer, J. (2016, August). Endocrine Mapping Snippet. *HAPS Educator: Journal of the Human Anatomy and Physiology Society*, 20(3), 120-121.

Hillyer, J. (2016, April). Voluminous Cardiac Snippet. *HAPS Educator: Journal of the Human Anatomy and Physiology Society*, 20(2), 60.

Isogai, N., Kusuhara, H., Ikada, Y., Ohtani, H., Jacquet, R., Hillyer, J., Lowder, E., & Landis, W.J. (2006). Comparison of different chondrocytes for use in tissue engineering of cartilage model structures. *Tissue Engineering*, 12(4), 691-703.

Jacquet, R., Hillyer, J. & Landis, W.J. (2005). Analysis of connective tissues by laser capture microdissection and reverse transcriptase-polymerase chain reaction. *Analytical Biochemistry*, 337(1), 22-34.

Jennifer Hillyer, Ph.D.

- Landis, W.J., Jacquet, R., Hillyer, J., Zhang, J., Siperko, L., Chubinskaya, S., Asamura, S., & Isogai, N. (2005). The potential of tissue engineering in orthopedics. *The Orthopedic Clinics of North America*, 36(1), 97-104.
- Isogai, N., Asamura, S., Higashi, T., Ikada, Y., Morita, S., Hillyer, J., Jacquet, R., & Landis, W.J. (2004). Tissue engineering of an auricular cartilage model utilizing cultured chondrocyte-poly(L-lactide-epsilon-caprolactone) scaffolds. *Tissue Engineering*, 10(5-6), 673-687.
- Landis, W.J., Jacquet, R., Hillyer, J., & Zhang, J. (2003). Analysis of osteopontin in mouse growth plate cartilage by application of laser capture microdissection and RT-PCR. *Connective Tissue Research*, 44(1), 28-32.

Presentations & Workshops

The Generalists in Medical Education Annual Conference

Hurtubise, L., Hillyer, J., & Sood, L. (2022, November 10). *Striving for Inclusive Teaching through Universal Design for Learning*. Workshop presented at The Generalists in Medical Education, Nashville, TN.

MetroHealth | Addiction Medicine Grand Rounds

Lecat, P., & Hillyer, J. (2022, May 11). *Rounding at the Bedside*. WebEx session presented to fellows and faculty physicians for continuing medical education (CME) credit.

American Association of Medical Colleges | Central Group on Educational Affairs Annual Regional Conference

Hillyer, J., Ledford, C., & Hurtubise, L. (2022, March 31). *A Just-in-Time Active Learning Jumpstart for Faculty*. Medical Education Resource Exchange presented via Zoom at the CGEA virtual conference.

Western Reserve Hospital

Lecat, P., & Hillyer, J. (2021, April 13). *The One-Minute Preceptor*. Zoom workshop presented to residents, fellows, and faculty at clinical site.

Aultman Health Foundation

Gill, P., Nofziger, S., & Hillyer, J. (2020, March 11). *Feedback: How to Give It & Know How It May be Received*. Workshop presented to residents, fellows, faculty, and program directors across different specialties at Aultman Health Foundation. (Presented "Giving Feedback" portion of workshop in collaboration with Dr. Gill for continuing medical education credit.)

Human Anatomy and Physiology Society Annual National Conference

Russo, C., & Hillyer, J. (2018, May). *Implementing a game day, making concept connections, and assessing in a collaborative classroom*. Workshop presented at the national conference of the Human Anatomy and Physiology Society, Columbus, OH.

Hillyer, J.M., & Gordon, K. A. (2018, May). *An interdisciplinary approach to anatomy and physiology using high-fidelity simulation*. Poster presented at the national conference of the Human Anatomy and Physiology Society, Columbus, OH.

International Nursing Association for Clinical Simulation and Learning Annual Conference

Gordon, K., & Hillyer, J. (2017, June). *An innovative approach using simulation in anatomy & physiology*. Poster presented at the annual conference of International Nursing Association for Clinical Simulation and Learning, Washington, D.C.

Ohio League for Nursing, Nursing Education Summit

Gordon, K., & Hillyer, J. (2017, April). *Interrelating perfusion and oxygenation concepts through a simulated anatomy & physiology scenario*. Poster presented at the meeting of Ohio League for Nursing, Nursing Education Summit, Columbus, Ohio.