

KARA SAWARYNSKI (STARK), PH.D.

Department of Foundational Medical Studies
Oakland University William Beaumont School of Medicine
586 Pioneer Drive, Rochester, Michigan 48309
248-370-3671 | sawaryns@oakland.edu
www.karasawarynski.com | www.linkedin.com/in/karasawarynski

EDUCATION & TRAINING

Education

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| 1997 - 2001 | BS, Biomedical Sciences Major, Magna Cum Laude
The Lee Honors College of Western Michigan University,
Kalamazoo, MI |
| 2001 - 2006 | PhD, Cancer Biology Major
Wayne State University School of Medicine – Karmanos Cancer
Institute, Detroit, MI |

Additional Training

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| 4/2014 - 4/2014 | Harvard Advance Teaching Skills Training Program, Harvard
Medical School, Boston, MA |
| 6/2015 - 6/2015 | Stanford Faculty Development for Medical Teachers - OUWB
Basic Science Training, Oakland University William Beaumont
School of Medicine - Center for Excellence in Medical
Education, Rochester, MI |
| 2/2021 - 10/2021 | Dare to Lead Trained, Brené Brown Education and Research
Group and Daring Education, Houston, TX |
| 3/2022 - 5/2023 | Leadership Education and Development Certificate Program
(LEAD) - National Fellow, American Association of Medical
Colleges (AAMC), Washington DC |
| 10/2022 - Present | Executive Leadership Coaching Program - Cultivating brave and
emotionally adept leaders and culture, Evalia Consulting,
Potomac, MD |

APPOINTMENTS & EMPLOYMENT

Academic Appointments

8/2008 - 5/2012	Adjunct Instructor, Department of Natural Sciences, Lawrence Technological University, Southfield, MI
1/2010 - 6/2012	Adjunct Assistant Professor, Department of Biomedical Sciences, Oakland University William Beaumont School of Medicine, Rochester, MI
7/2012 - 8/2019	Assistant Professor, Department of Foundational Medical Studies (formerly Department of Biomedical Sciences), Oakland University William Beaumont School of Medicine, Rochester, MI
8/2019 - Present	Associate Professor, Tenured, Department of Foundational Medical Studies, Oakland University William Beaumont School of Medicine, Rochester, MI

Administrative Appointments

8/2015 - Present	Embark Program Co-Director, Oakland University William Beaumont School of Medicine, Rochester, MI <i>Key roles include:</i> • Redesign and scaling up of original Capstone medical student research program (from 50 original students to 500 current students) • Development and implementation of a novel database tracking system • Advising and approving research project milestones for approx. 250 students each year • Recruiting faculty mentors annually (average 350 active mentors each academic year) • Planning and facilitating Embark program events (oral presentations, mini-manuscript scholarship competition, and Embark Capstone Colloquium) • Due to COVID revamping the Embark Program curriculum, resources, events and mentor networking
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9/2019 - 2/2023

Vice-Chair of Department of Foundational Medical Studies,
Oakland University William Beaumont School of Medicine,
Rochester, MI

Key roles include:

- Development of a revised faculty evaluation process
- Supporting faculty members in the promotion and tenure process, as well as broad-based issues, including: career advice/guidance, OUWB processes and procedures, resource identification and overall support (including with many individual struggles throughout the remote work time)
- Balancing and budgeting teaching and service responsibilities within the department
- Redesigning and managing departmental pilot funding programs
- Implementing a department-wide team communication platform (Slack) to offer virtual support for scholarly collaborative activities, administrative duties, teaching, and departmental collaboration early in the COVID related remote work environment; also immediately moving to help curate and solicit support from IT regarding currently available software tools, and planning for the possibility of extended remote learning
- Supervising undergraduate student workers, graduate student assistants and departmental Instructional Designer

3/2023 - Present

Assistant Dean for Accreditation and Continuous Quality Improvement, Oakland University William Beaumont School of Medicine, Rochester, MI

Key roles include:

- Advising School of Medicine leadership on matters related to LCME
- Overseeing the LCME accreditation processes and advises senior leadership on all accreditation requirements
- Consulting with deans, faculty, course and clerkship directors, and others regarding various aspects of educational programs and administrative processes as related to accreditation and quality improvement activities of the school
- Developing and leading Continuous Quality Improvement (CQI) process including developing and chairing CQI collaborative workgroup
- Leading accreditation/CQI staff in the collection, analysis, and synthesis of pertinent accreditation and quality improvement data for communication and required reporting to relevant stakeholders and committees

Professional Employment

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| 8/1999 - 5/2001 | <p>Biological Imaging Center - Undergraduate Research Fellow, Western Michigan University, Kalamazoo, MI</p> <ul style="list-style-type: none"> • Transmission electron and confocal laser scanning microscopy • Rat necropsy and tissue collections |
| 6/2001 - 1/2007 | <p>Cancer Biology Program Graduate Research Assistant, Wayne State University School of Medicine – Karmanos Cancer Institute, Detroit, MI</p> <ul style="list-style-type: none"> • Molecular biology and genetics research in a variety of model systems • Thesis: Characterization of a cyclin-dependent kinase inhibitor during meiosis in yeast |
| 2/2007 - 6/2012 | <p>Infectious Diseases Research Associate I / Research Associate II, Beaumont Health System – Beaumont Research Institute, Royal Oak, MI</p> <ul style="list-style-type: none"> • Scientific design and instruction for Infectious Diseases fellows research projects • Infectious Diseases Fellows and Residents molecular diagnostics lecture series • Research focused on using functional genomics and molecular biology techniques to investigate therapeutic hypersensitivity in pathogenic yeast and other health system related infections of interest |

PROFESSIONAL MEMBERSHIPS

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| 8/2012 - 1/2020 | American Society for Biochemistry and Molecular Biology |
| 8/2012 - Present | Association of American Medical Colleges |
| 8/2013 - 12/2020 | Team Based Learning Collaborative |
| 8/2013 - Present | International Association of Medical Science Educators |
| 9/2015 - Present | Association of American Medical Colleges - University of Chicago Scholarly Concentration Collaborative, National collaborative of research program directors, resulting in several research projects, sharing of resources and advising to new members |
| 12/2022 - Present | Accreditation Preparation & Quality Improvement (APQI) Group (national group formed from CGEA Program Evaluation & Accreditation SIG) |

AWARDS & HONORS

8/1997	Western Michigan University Medallion Scholarship Program - University Scholar Award Winner, Kalamazoo, MI
6/2000	Lee Honors College Dean's Summer Research Thesis Grant Award; Undergraduate Research and Creative Activities Award - Western Michigan University, Kalamazoo, MI
8/2001	Wayne State University Thomas C. Rumble University Graduate Fellowship recipient, Detroit, MI
5/2006	Exceptional Academic and Research Accomplishments Award - Wayne State University School of Medicine, Detroit, MI
9/2008	Best Poster Presentation Award at the 17th Annual Symposium of Molecular Pathology – Clinical Applications of Genomic Medicine Conference, Troy, MI
5/2015	2nd Place in the Best Poster Competition for the 2015 William Davidson Medical Education Week
7/2015	American Society of Biochemistry and Molecular Biology Education Fellow
2016 - 2025	American Society of Clinical Oncology - Sponsored Cancer Interest Group Award 2016 - 2025 - Oakland University William Beaumont School of Medicine Oncology Interest Student Group Faculty Facilitator
4/2016	Oakland University William Beaumont School of Medicine Basic Science Educator of the Year Award
5/2022	Oakland University William Beaumont School of Medicine Foundational Medical Studies Excellence in Service Award

PUBLICATIONS

Peer Reviewed

1. Clifford DM, **Stark KE**, Gardner KE, Hoffmann-Benning S, Brush GS. Mechanistic insight into the Cdc28-related protein kinase Ime2 through analysis of replication protein A phosphorylation. *Cell Cycle*. 12/2005; 4(12): 1826-33. 16294044. Citation Count: 18
2. **Sawarynski KE**, Kaplun A, Tzivion G, Brush GS. Distinct activities of the related protein kinases Cdk1 and Ime2. *Biochimica et Biophysica Acta*. 03/2007; 1773(3): 450-6. 17137646. Citation Count: 10

3. **Sawarynski KE**, Najor NA, Kepsel AC, Brush GS. Sic1-induced DNA rereplication during meiosis. *Proceedings of the National Academy of Sciences of the United States of America*. 01/2009; 106(1): 232-7. 19116279. Citation Count: 7; Total View: 4,768
4. Downing L, **Sawarynski KE**, Li J, McGonagle M, Sims MD, Marples B. A simple quantitative method for assessing pulmonary damage after x irradiation. *Radiation Research*. 04/2010; 173(4): 536-44. 20334526. Citation Count: 18
5. Marples B, Downing L, **Sawarynski KE**, Finkelstein JN, Williams JP, Martinez AA, Wilson GD, Sims MD. Pulmonary injury after combined exposures to low-dose low-LET radiation and fungal spores. *Radiation Research*. 04/2011; 175(4): 501-9. 21275606. Citation Count: 4
6. de Sanctis JT, Swami A, **Sawarynski K**, Gerasymchuk L, Powell K, Robinson-Dunn B, Carpenter CF, Sims MD. Is there a clinical association of vancomycin MIC creep, agr group II locus, and treatment failure in MRSA bacteremia?. *Diagnostic Molecular Pathology : The American Journal of Surgical Pathology*. 09/2011; 20(3): 184-8. 21817905. Citation Count: 11
7. Brush GS, Najor NA, Dombkowski AA, Cukovic D, **Sawarynski KE**. Yeast IME2 functions early in meiosis upstream of cell cycle-regulated SBF and MBF targets. *PloS One*. 01/2012; 7(2): e31575. 22393365. Citation Count: 6; Views: 2,936; Downloads: 808
8. Chittick P, Russo V, Sims M, Oleszkowicz S, **Sawarynski KE**, Powell K, Makin J, Darnell E, Robinson-Dunn B, Boyanton B, Band J. Pseudomonas aeruginosa respiratory tract infections associated with contaminated ultrasound gel used for transesophageal echocardiography - Michigan, December 2011-January 2012. *The Journal of the American Medical Association*. 04/2012; 307(21): 2248-2250. (Cross-published in *Morbidity and Mortality Weekly Report - Centers for Disease Control and Prevention (CDC)*. MMWR 2012;61:262-264.). 22513528. Citation Count: 17; Views: 1,027; Downloads: 383
9. Chittick P, Russo V, Sims M, Robinson-Dunn B, Oleszkowicz S, **Sawarynski K**, Powell K, Makin J, Darnell E, Boura JA, Boyanton B, Band J. An outbreak of Pseudomonas aeruginosa respiratory tract infections associated with intrinsically contaminated ultrasound transmission gel. *Infection Control and Hospital Epidemiology*. 08/2013; 34(8): 850-3. 23838230. Citation Count: 21
10. Nyland RL, **Sawarynski KE**. Setting Students Up for Success: A Short Interactive Workshop Designed to Increase Effective Study Habits. *MedEdPORTAL : the journal of teaching and learning resources*. 07/2017; 13: 10610. 30800812. Citation Count: 4; Total Views: 3,108; Total Downloads: 580
11. **Sawarynski KE**, Baxa DM, Folberg R. Embarking on a Journey of Discovery: Developing Transitional Skill sets Through a Scholarly Concentration Program. *Teaching and Learning in Medicine*. 09/2018(Epub ahead of print): 1-12. 30216101. Citation Count: 12; Total Views: 632

12. **Sawarynski KE**, Baxa DM. Utilization of an online module bank for a research training curriculum: development, implementation, evolution, evaluation, and lessons learned. *Medical education online*. 12/2019; 24(1): 1611297. 31072278. Citation Count: 9; Total Views: 2,276
13. **Sawarynski K**, Gould DJ. A Foundational Science Department's Transition to an Online Community. *Medical science educator*. 09/2020: 1-3. 32923082. Citation Count: 0; Altmetric score: 2; Accesses and Downloads: 647
14. Lerchenfeldt S, Attardi SM, Pratt RL, **Sawarynski KE**, Taylor TAH. Twelve tips for interfacing with the new generation of medical students: iGen. *Medical teacher*. 11/2020: 1-6. 33174808. Citation Count: 17; Altmetric score: 12; Total Views: 2,331; Tweeted by 17
15. Attardi SM, Taylor T, Lerchenfeldt S, Pratt RL, **Sawarynski KE**. Adapting Strategically to Changing Times in Health Professions Education: A Generational Workshop for Educators. *MedEdPortal: The Journal of Teaching and Learning Resources*. 02/2021; 17:11084. 33553618. Citation Count: 6; Altmetric score: 4; Total views: 964; Total Downloads: 197
16. **Sawarynski KE**, Swanberg S, Roach V, Taylor T, Baxa D. Fostering Early Preclinical Experiences for Developing Knowledge, Skills, and Confidence in Key Residency Competencies Through Participation in a Medical Student Research Training Program. *Journal of Medical Education and Curriculum Development*. 11/2021; eCollection. 34820529. Citation Count: 2; Total views and downloads: 886
17. Gould DJ, **Sawarynski K**, Mohiyeddini C. Academic Management in Uncertain Times: Shifting and Expanding the Focus of Cognitive Load Theory During COVID-19 Pandemic Education. *Frontiers in psychology*. 06/2022; 13: 647904. 35783760. Citation Count: 2; Total Views and Downloads: 2,247
18. Wolfson RK, Fairchild PC, Bahner I, Baxa DM, Birnbaum DR, Chaudhry SI, Chretien KC, DeFranco DB, Deptola AZ, LaConte LEW, Lin JJ, Petch Lee L, Powers MA, Ropson IJ, Sankaran SM, **Sawarynski KE**, Sozio SM. Residency Program Directors' Views on Research Conducted During Medical School: A National Survey. *Academic medicine : Journal of the Association of American Medical Colleges*. 10/2023; 98(10): 1185-1195. 37099328. Citation Count: 13; Altmetric score: 98, Tweeted by 132
19. Oberleitner LM, Baxa DM, Pickett SM, **Sawarynski KE**. Biometrically measured sleep in medical students as a predictor of psychological health and academic experiences in the preclinical years. *Medical education online*. 12/2024; 29(1): 2412400. 39381987
20. Lewis, B., Attardi, S., **Sawarynski, KE**. ACQUIRED: An Innovative Asynchronous Modality to Increase Quality Teacher-Learner Dialogue and Overcome Classroom Barriers in Basic Science Medical Education. *Medical Science Educator*. 02/2025; <https://doi.org/10.1007/s40670-024-02248-w>

Non-Peer Reviewed

1. Rodenbaugh D, Sabina R, Eastwood J, **Sawarynski K**, Thomas D. Adapting Technology to Facilitate Application Phase Gallery Walks Improves TBL Discussions. AAMC MedEDPortal's iCollaborative. 04/2013; www.mededportal.org/icollaborative/resource/666
2. Nyland R, **Sawarynski K**. Purging the binge and purge: An interactive study skills workshop designed to disprove common study habits and empower students beginning an integrated medical school curriculum (Publication of student workshop materials & curriculum). AAMC MedEDPortal's iCollaborative. 11/2014; www.mededportal.org/icollaborative/resource/3804. Citation Count: 15 downloads (April 2016)

Book Chapters

1. Gould, D, **Sawarynski, KE**. Inspiring Change: Leadership and Flourishing in Medical Education. Heck, A; Chase, A; Borges, N; Fritz, J (Editors) in collaboration with the Kern National Network Flourishing in the Roles of a Medical Science Educator. New York: Elsevier - in preparation for publication; 2025

Abstracts

1. Schwartz J, Sims M, Movva K, **Sawarynski KE**, Makin J, Powell K, Singh S, Robinson-Dunn B, Boyanton BL. Molecular Typing Links Probiotic Supplement Use as the Source of Bacteremia and Endocarditis. Journal of Molecular Diagnostics. 11/2012; 14(6): 668-669. (Presented as a poster at Interscience Conference on Antimicrobial Agents and Chemotherapy 2012.)
2. **Sawarynski KE**, Eastwood J. An Integrated, Flipped Classroom Model for Medical Education. The FASEB Journal. 04/2013; 27(1): Supplement 517.1. (Presented as a poster in: Teaching, Learning and Testing in the Biological and Biomedical Sciences II session at Experimental Biology 2013.). Citation Count: 10
3. **Sawarynski KE**, Thomas D, Collins B, Weebadde P. Molecular and cellular biology adaptive virtual learning environment. The FASEB Journal. 04/2014; 28(1): Supplement 618.32. (Presented as an oral presentation in ASBMB 21st Century Biochemistry and Molecular Biology Education and Professional Development at Experimental Biology 2014.). Citation Count: Total Downloads 157 (April 2016)
4. **Sawarynski KE**, Baxa DM, Dereski MO. Eureka! Energizing the Next Generation of Clinical Researchers. The FASEB Journal. 04/2015; 29(1): Supplement 559.5. (Presented as an oral presentation in BMB Education and Professional Development - Changes in Medical Education at Experimental Biology 2015.). Citation Count: Total Downloads 65 (April 2016)

PRESENTATIONS

Invited Oral Presentations

1. **Sawarynski KE**, Baxa DM. Lecture to Foreign Medical Students - Research Question Design. 07/2016. Medical Student Exchange Program: Presented Oakland University William Beaumont School of Medicine Embark curriculum on development of a research question. Henry Ford Hospital Global Health Initiative, One Ford Place, Henry Ford Health System, Detroit, Michigan
2. **Sawarynski KE**, Baxa DM. Lecture to Foreign Medical Students - Data Presentation. 07/2016. Medical Student Exchange Program: Presented Oakland University William Beaumont School of Medicine Embark curriculum on best practices for data presentation. Henry Ford Hospital Global Health Initiative, One Ford Place, Henry Ford Health System, Detroit, Michigan
3. **Sawarynski KE**, Nyland R. Effective Learning Techniques. 08/2017. Workshop/ Research Presentation to College of Medicine graduate students and Medical Education Faculty. Department of Medical Education, University of Toledo College of Medicine and Life Sciences, Toledo, Ohio
4. **Sawarynski K**, Nyland R, Browne B. Faculty Workshop - How to help novice medical students avoid the binge and purge: an interactive study skills workshop. 08/2017. Workshop / Research Presentation. Oakland University William Beaumont School of Medicine, Department of Biomedical Sciences, Rochester, Michigan
5. Attardi S, **Sawarynski K**, Lerchenfeldt S, Pratt R, Taylor T. Keynote Presentation - Adapting Teaching Strategies for the New iGeneration: Translating Generational Research to the Medical Education Classroom (*Presenters S Attardi & K Sawarynski). 09/2019. Rowan University School of Osteopathic Medicine, Stratford, New Jersey
6. Attardi S, **Sawarynski K**, Lerchenfeldt S, Pratt R, Taylor T. Faculty Development Workshop - Translator please!: Adapt your teaching for radically different and newly matriculated iGen students (*Presenters S Attardi & K Sawarynski). 09/2019. Rowan University School of Osteopathic Medicine, Stratford, New Jersey
7. Gould DJ, **Sawarynski KE**. Staying Connected: Using Slack to Engage with Faculty. 05/2020. Center for Excellence in Teaching and Learning, Oakland University, Rochester, Michigan
8. Taylor T, Pratt R, Attardi SM, Lerchenfeldt S, **Sawarynski K**. Adapting Teaching Strategies for the New iGeneration: Translating Generational Research for the Newest Generation for Adult Learners: Tailoring Library Services. 07/2020. Keynote presentation & workshop (*Presenters T Taylor, R Pratt, S Lerchenfeldt). Michigan Academic Library Association Virtual Pop-up Conference, Michigan
9. **Sawarynski K**. Keynote Presentation - Cancer Biology Symposium - Wayne State University School of Medicine Graduate Program. 03/2021. Cancer Biology

Program, Wayne State University School of Medicine, Wayne State University School of Medicine, Detroit, Michigan

10. **K Sawarynski**. Leadership in Science & Medicine Seminar. 03/2021. Lawrence Technological University, Lawrence Technological University, Southfield, Michigan
11. Taylor R, Attardi S, **Sawarynski K**, Lerchenfeldt S, Pratt R. Adapting Teaching Strategies for the New iGeneration: Translating Generational Research to the Remote Classroom. 05/2021. Center for Excellence in Medical Education, 2021 William Davidson Medical Education Week, Oakland University William Beaumont School of Medicine, Rochester, Michigan
12. **Sawarynski K**, Baxa D. Project MedWell. 05/2021. Center for Excellence in Medical Education, 2021 William Davidson Medical Education Week. Oakland University William Beaumont School of Medicine, Rochester, Michigan
13. Attardi S, **Sawarynski K**, Taylor T, Pratt R, Lerchenfeldt S. Adapting Teaching Strategies for Generation Z: Translating Generational Research to the Post-COVID Classroom (*Presenters S. Attardi & K. Sawarynski). 04/2023. Faculty Development Program at Marshall B. Ketchum University, Fullerton, California
14. **Sawarynski K**, Attardi S, Taylor T, Pratt R, Lerchenfeldt. Adapting Teaching Strategies for Generation Z: Translating Generational Research to the Post-COVID Classroom (*Presenters K Sawarynski & S Attardi). 08/2023. Revised & Updated interactive workshop. Mayo Clinic Physician's Assistant Program, Rochester, Minnesota
15. **K. Sawarynski**, S. Lerchenfeldt, J. DeWitte, J. Root, T. Williams, A. Nguyen. Panel Discussion: Inspired Women Lead. 09/2023. OUWB Center for Excellence in Medical Education, OUWB, Rochester, Michigan
16. T. Taylor, S. Lerchenfeldt, R. Pratt, S. Attardi, **K. Sawarynski**. Adapting Teaching Strategies for Generation Z: Translating Generational Research to the Post-COVID Classroom (*Presenters T. Taylor, S. Lerchenfeldt & R. Pratt). 10/2023. American Academy of Optometry, Optometric Education Section of the American Academy of Optometry Conference, New Orleans, Louisiana
17. S. Attardi, **K. Sawarynski**. Gen Z in the Medical Education Classroom: How Innovations in Communication Technology Have Shaped Generational Expectations for Engagement, Teaching & Learning. 11/2023. Center for Excellence in Medical Education - Peer Connections Program, Rochester, Michigan
18. S. Attardi, **K. Sawarynski**. Gen Z in Medical Education: How Generational Reference Points Have Shaped Expectations for Professionalism, Teaching, Training & Learning. 04/2024. Tulane School of Medicine, Grand Rounds for Graduate Medical Education, New Orleans, Louisiana
19. **K. Sawarynski**, S. Lerchenfeldt, S. Attardi. Exploring Best Practices In Health Professions Education For Gen Z Students. 03/2024. International Association of Medical Science Educators (IAMSE) Spring 2024 webinar series, "Creating a Culture of Teaching and Learning". International Association of Medical Science Educators (IAMSE), Virtual

20. **K. Sawarynski**, S. Attardi. A Dialogue with Department Chairs: How Generational Reference Points Have Shaped Expectations for Professionalism, Teaching, Training & Learning. 04/2024. Tulane University School of Medicine, New Orleans, Louisiana
21. **K. Sawarynski**, S. Attardi. Applying Generational Research to Medical Education: Strategies for Program Directors to Develop Shared Expectations for Professionalism, Teaching, Training & Learning in Graduate Medical Education Workshop. 04/2024. Tulane University School of Medicine, New Orleans, Louisiana
22. S. Attardi, **K. Sawarynski**. Applying Generational Research to Medical Education: Strategies for Chief Residents to Develop Shared Expectations for Professionalism, Teaching, Training & Learning Throughout Graduate Medical Education Workshop. 04/2024. Tulane University School of Medicine, New Orleans, Louisiana
23. S. Attardi, **K. Sawarynski**. Applying Generational Research to Medical Education: Strategies for Medical Educators to Develop Shared Expectations for Professionalism, Teaching, Training & Learning Throughout Undergraduate Medical Education Workshop. 04/2024. Tulane University School of Medicine, New Orleans, Louisiana
24. S. Attardi, **K. Sawarynski**. Clinical Teaching Program - Gen Z in the Medical Education Classroom: How Innovations in Communication Technology Have Shaped Generational Expectations for Engagement, Teaching & Learning. 04/2024. Office of Medical Education, Corewell Health West & Michigan State University College of Human Medicine, Grand Rapids, Michigan
25. Attardi S, **Sawarynski KE**. Gen Z in Medical Education: How Generational Reference Points Have Shaped Expectations for Professionalism, Teaching, Training & Learning. 08/2024. Department of Psychiatry Grand Rounds, Tulane University School of Medicine, New Orleans, Louisiana
26. Attardi S, **Sawarynski KE**. Applying Generational Research to Medical Education: Strategies for Psych and Behavioral Science Faculty to Develop Shared Expectations for Professionalism, Teaching, Training, and Learning. 08/2024. Faculty Development Workshop. Department of Psychiatry, Tulane University School of Medicine, New Orleans, Louisiana
27. **K. Sawarynski**, S. Attardi. Applying Generational Research to Medical Education: Strategies for Residents as Teachers to Thrive in an Intergenerational Medical Education Environment. 10/2024. OUWB Center for Excellence in Medical Education, Royal Oak, Michigan
28. **K. Sawarynski**, S. Attardi. Gen Z in Surgical Medical Education: How Generational Reference Points Have Shaped Expectations for Professionalism, Teaching, Training & Learning Within Surgery. 10/2024. Corewell Department of Surgery Grand Rounds & OUWB Center for Excellence in Medical Education, Royal Oak, Michigan

29. **K. Sawarynski**, S. Attardi. Applying Generational Research to Medical Education: Strategies for Medical Educators to Thrive in an Intergenerational Medical Education Environment Workshop. 10/2024. Henry Ford Hospital - Undergraduate Medical Education Program, Detroit, Michigan
30. Attardi S, **Sawarynski KE**. Applying Generational Research to Today's Medical Education Environment: Strategies for Faculty & Administration to Develop Shared Expectations for Professionalism, Teaching, Training, and Learning. 11/2024. Department of Biomedical Sciences, University of South Carolina School of Medicine Greenville, Greenville, South Carolina
31. Attardi S, **Sawarynski KE**. Gen Z Trainees in Diagnostic Radiology: Strategies for Residents to Develop Shared Expectations for Professionalism, Teaching, Training, and Learning in Medical Education. 01/2025. Corewell Health Department of Diagnostic Radiology, JEDI Educational Awareness Program, Corewell Health William Beaumont University Hospital, Royal Oak, Michigan
32. Attardi S, **Sawarynski KE**. Gen Z in Medical Education: 6 Critical Areas for Reflection on Professionalism, Teaching, and Learning in Health Professions Training. 02/2025. Grand Rounds. University of Vermont Larner College of Medicine Teaching Academy, University of Vermont Larner College of Medicine, Burlington, Vermont
33. Attardi S, **Sawarynski KE**. Bridging Generational Gaps: Engaging Gen Z in Higher Education with Empathy and Strategy. 03/2025. Oakland University AP Assembly, Oakland University, Rochester, Michigan
34. Attardi S, **Sawarynski KE**. Chemistry of Connection: Engaging Gen Z in Biochemical Education and Research. 03/2025. Professional Development Committee - 2025 Spring Webinar Series. Association of Biochemical Educators
35. Attardi S, **Sawarynski KE**. Gen Z in Obstetrics and Gynecology Medical Education: 6 Critical Areas for Reflection on Professionalism, Teaching, & Learning. 03/2025. Michigan State University, Department of Obstetrics, Gynecology and Reproductive Biology, Undergraduate Medical Education Committee (UMEC) 2025 Retreat, Lansing, Michigan

Awarded Oral Presentations

1. **Stark K**, Eversole R, Beuving L, MacKenzie C. Altered Eosinophils in Peyer's Patches of Nematode Infected Intestines. 10/2001. Michigan Microscopy Microanalysis Fall Meeting, Ann Arbor, Michigan
2. Clifford D, **Stark K**, Gardner K, Hoffman-Benning S, Brush G. Multisite Meiosis-specific Phosphorylation of the Rfa2 N-terminus. 06/2005. Selected (peer review) for Oral Presentation. Salk Institute Cell Cycle Meeting, La Jolla, California

2. **Sawarynski KE**, Thomas DM, Collins BP, Weebadde P. Molecular and Cellular Biology Adaptive Virtual Learning Environment. 04/2014. Selected (peer review) for ASBMB Oral Presentation in ASBMB 21st Century Biochemistry and Molecular Biology Education and Professional Development session, (also presented at William Davidson Medical Education Week 2014, peer reviewed). ASBMB. Experimental Biology 2014, San Diego, California
3. **Sawarynski KE**, Baxa DM, Dereski MO. Eureka! Energizing the Next Generation of Clinical Researchers. 04/2015. Selected (peer review) for ASBMB Oral Presentation in Biochemistry & Molecular Biology Education and Professional Development - Changes in Medical Education session. Experimental Biology 2015, Boston, Massachusetts
4. Francis V*, **Sawarynski K**, Ogunyemi D. Postpartum Depression Education During Pregnancy. 05/2016. (*Capstone student mentee); Invited Oral Presentation as an Oakland University Credit Union Dean's Choice Award Finalist. 5th Annual William Davidson Medical Education Week, Royal Oak, Michigan
5. Chowdhary K*, Sawarynski T, **Sawarynski K**. In-vivo Measurement of the Strain of the Iliotibial Band in Motion. 06/2017. (*Capstone student mentee); Invited Oral Presentation as an Oakland University Credit Union Dean's Choice Award Finalist. Embark Research Colloquium, Royal Oak, Michigan
6. **Sawarynski KE**. Setting Students Up for Success: Sharing strategies used to provide medical students with strong study skills. 11/2017. Selected (peer review) as a Focused Discussion Facilitator. AAMC, Learn Serve Lead 2017 - AAMC Annual Meeting, Boston, Massachusetts
7. **Sawarynski K**, Baxa D, Ferrari T, Gildner D, Pickett S. LASTing Wellness: A Medical Student Longitudinal Wellness Activity-Stress-Sleep Tracking Wellness Initiative. 06/2019. Peer Reviewed Oral Presentation. International Association of Medical Science Educators (IAMSE). 2019 IAMSE Meeting, Roanoke, Virginia
8. Lewis, Brianne, Attardi, Stefanie, **Sawarynski, Kara**. Individualized and personalized learner-teacher interactions through asynchronous online modules. 12/2022. Peer-reviewed Lighting Talk. International Association of Medical Science Educators (IAMSE) 2022 Virtual Forum. Worldwide, Virtual
9. **Sawarynski K**. Leading change in the reinvigoration and evolution of a continuous quality improvement committee designed to impact OUWB's ability to exceed accreditation expectations. 05/2023. Applied Leadership Focus Project. AAMC LEAD Program, Washington DC, District of Columbia
10. Gould D, Thomas D, Lerchenfeldt S, Gemechu J, **Sawarynski K**. Panel Discussion: Lessons Learned Regarding Developing Quality Assessments, Invited panel member. 05/2023. William Davidson Medical Education Week, Royal Oak, Michigan
11. **Sawarynski K**, Attardi S, Lewis B. Individualized and Personalized Learner-Teacher Interactions Through Asynchronous Online Modules. 05/2023. William Davidson Medical Education Week, Royal Oak, Michigan

12. **K. Sawarynski**. Strategies for Engaging with Gen Z Health Profession Students: Reflection, Sharing and Meeting in the Middle. 11/2023. Focused Discussion Facilitator. American Association of Medical Colleges. Learn Serve Lead 2023, Seattle, Washington
13. B. Lewis, S. Attardi, **K. Sawarynski**. ACQUIRE-ing New Strategies For Asynchronous Learning In Basic Science Medical Education. 06/2024. International Association of Medical Science Educators 2024 Annual Meeting, Minneapolis, Minnesota

Awarded Workshops

International

1. **Sawarynski K**, Nyland R. Faculty Development Workshop - Purging the Binge and Purge: How We Altered Student Study Habits With A Short Interactive Workshop. 05/2015. Concurrent Session Presentation (Peer reviewed). University of Windsor-Oakland University Teaching and Learning Conference, Windsor, Ontario (ON), Canada
2. **Sawarynski KE**. Overcoming Challenges to Building and Sustaining Scholarly Concentration Programs. 11/2016. Group discussion facilitator - Mentor Recruitment and Training table topic. AAMC - University of Chicago Scholarly Concentration Collaborative, Learn Serve Lead 2016 - AAMC/Scholarly Concentrations Collaborative Annual Meeting, Seattle, Washington
2. **Sawarynski K**, Nyland R, Browne B. Focused Session - How to help novice medical students avoid the binge and purge: An interactive study skills workshop. 06/2017. Focused Session (Peer reviewed). International Association of Medical Science Educators (IAMSE). 2017 IAMSE 21st Annual Meeting, Burlington, Vermont
3. Attardi S, Lerchenfeldt S, Pratt R, **Sawarynski KE**, Taylor T. Translator please!: Adapt your teaching for radically different and newly matriculated iGen students. 05/2019. Faculty Development Workshop. 8th Annual William Davidson Medical Education Week, Rochester, Michigan
4. Attardi S, Lerchenfeldt S, Pratt R, **Sawarynski KE**, Taylor T. Focused Session - Translator please!: Adapt your teaching for radically different and newly matriculated iGen students. 06/2019. Focused Session (Peer reviewed). International Association of Medical Science Educators (IAMSE). 2019 International Association of Medical Science Educators 23rd Annual Meeting, Roanoke, Virginia
5. Shafer C, Attardi S, **Sawarynski KE**. Focused Session - "Moving Past "Kids These Days": Leveraging Intergenerational Perspectives to Unlock Teaching & Learning Together. 06/2025. Focused Session (Peer reviewed). International Association of Medical Science Educators (IAMSE). 2025 International Association of Medical Science Educators Annual Meeting, Calgary, Alberta (AB), Canada

Awarded Poster Presentations

1. **Stark K**, Eversole R, Beuving L, MacKenzie C. Altered Eosinophils in Peyer's Patches of Nematode Infected Intestines. 04/2001. Experimental Biology 2001, Orlando, Florida
2. **Stark K**, Nie D, Honn K. Nordihydroguaiaretic Acid is an Inhibitor of EGF Receptor Tyrosine Kinase. 10/2001. Eicosanoids & Other Bioactive Lipids in Cancer, Inflammation and Related Diseases, Nashville, Tennessee
3. **Stark K**, DelProposto Z, Latif Z, Ahunbay E, Evelhoch J. A Novel Approach for Presentation of Dynamic Contrast-Enhanced MRI Data to Demonstrate Treatment Effects on Tumor Vasculature Throughout the Tumor. 05/2002. International Society for Magnetic Resonance in Medicine Scientific Meeting and Exhibition, Honolulu, Hawaii
4. **Stark K**, Wang Y. Characterization of the Mus81 Protein. 09/2003. Wayne State University Graduate Student Research Day, Detroit, Michigan
5. Swami A*, De Sanctis J*, Gerasymchuk L*, **Sawarynski K**, Powell K, Robinson-Dunn B, Carpenter C, Sims M. Clinical association of vancomycin MIC creep, agr group II locus, and treatment failure in MRSA bacteremia. 10/2008. (*Infectious Disease Research Fellow mentee). Annual Meeting of the Infectious Diseases Society of America/Interscience Conference on Antimicrobial Agents and Chemotherapy (also presented at 17th Annual Symposium on Molecular Pathology: Clinical Applications of Genomic Medicine), Washington DC, District of Columbia
6. **Sawarynski K**, Powell K, Keller P, Sims M. Analysis of the Recent MDR-Acinetobacter Outbreak at Beaumont Hospital Royal Oak Using Repetitive Sequence-Based Polymerase Chain Reaction. 09/2008. 17th Annual Symposium on Molecular Pathology: Clinical Applications of Genomic Medicine, Troy, Michigan
7. Gerasymchuk L*, Swami A*, Powell K, **Sawarynski K**, Keller P, Band J, Sims M. An Analysis of Recent XDR Acinetobacter Outbreak at William Beaumont Hospital. 03/2009. (*Infectious Disease Research Fellow mentee). Michigan Infectious Disease Society Annual Scientific Session, Novi, Michigan
8. Downing L, **Sawarynski K**, Williams J, Finkelstein J, Marples B, Sims M. Cytokine Responses and Histopathological Changes in Lung Tissue Due to Combined Exposure to Radiation and Aspergillus fumigatus. 03/2012. Michigan Infectious Disease Society Meeting, Novi, Michigan
9. Russo V, **Sawarynski KE**, Powell K, Chittick P, Sims M, Band J. An outbreak of Pseudomonas aeruginosa in respiratory cultures of cardiovascular surgery patients related to contaminated ultrasound gel. 03/2012. Michigan Infectious Disease Society Meeting, Novi, Michigan
10. Downing L, **Sawarynski K**, Williams J, Finkelstein J, Sims M, Marples B. Pulmonary Immunohistochemistry and Multi-plex Analysis of Circulating Cytokines After Low-

- Dose Whole-Body Exposures in C57/BL6 Mice. 10/2010. 52nd Annual Meeting of the American Society for Radiation Oncology (ASTRO), San Diego, California
11. Gilpin N*, **Sawarynski K**, Powell K, Sims M. Searching for the Relevance of Mutations within the agr Locus of Staphylococcus aureus. 10/2010. (*Infectious Disease Research Fellow mentee). Annual Meeting of the Infectious Diseases Society of America, Vancouver, British Columbia, Canada
 12. Downing L, **Sawarynski K**, Williams J, Finkelstein J, Sims M, Marples B. Cytokine Responses After Combined Pulmonary Exposures to Low-Dose Low-LET Radiation and Fungal Spore. 10/2010. 56th Annual Meeting of the Radiation Research Society (RRS), Maui, Hawaii
 13. David A*, **Sawarynski K**, Powell K, Rice C*, Levine Z*, Sims M. Accessory Gene Regulator Typing among Bloodstream Isolates of Methicillin-Resistant and Methicillin-Sensitive Staphylococcus Aureus Infections, an Update. 10/2012. (*Infectious Disease Fellow / Resident Research mentee). IDWeek 2012, San Diego, California
 14. Russo V, Chittick P, Sims M, Oleszkowicz S, **Sawarynski K**, Band J. An Outbreak of Pseudomonas aeruginosa Among Cardiovascular Surgery Patients Related to Intrinsically-Contaminated Ultrasound Transmission Gel. 10/2012. IDWeek 2012, San Diego, California
 15. Sabina RL, Rodenbaugh DW, Eastwood JL, **Sawarynski KE**, Thomas DM. Adapting Technology to Facilitate Application Phase Gallery Walks Improves TBL Discussions. 03/2013. 13th Annual Team-Based Learning Collaborative Conference, San Diego, California
 16. **Sawarynski K**, Eastwood J. An Integrated, Flipped Classroom Model for Medical Education. 04/2014. Experimental Biology (also peer reviewed poster presented at William Davidson Medical Education Week 2014), Boston, Massachusetts
 17. Gaubatz SJ*, **Sawarynski KE**, Kendall AL. Improving Parental Attitudes Towards Vaccinations through an Educational Session. 04/2015. (*Capstone Student mentee). AMWA Centennial Meeting, Chicago, Illinois
 18. **Sawarynski K**, Nyland R. Purging the binge and purge: An interactive study skills workshop designed to disprove common study habits and empower students beginning an integrated medical school curriculum. 11/2015. Peer reviewed Innovation Abstract. AAMC Medical Education Meeting (also peer reviewed poster presented at William Davidson Medical Education Week 2015), Baltimore, Maryland
 19. **Sawarynski KE**, Baxa DM. Evolution of a Scholarly Concentration Program – The Hidden Curriculum of the M1 Year. 05/2016. (Peer reviewed poster presentation). William Davidson Medical Education Week 2016, Royal Oak, Michigan
 20. **Sawarynski K**, Baxa DM. Evolution of a Scholarly Concentration Program – Bolstering Transitional & Professional Skills through Self- Directed Research Training in the M1 Year. 11/2017. Peer reviewed Innovation Abstract. 2017 AAMC Learn Serve Lead Annual Meeting, Boston, Massachusetts

21. Grogan J, Walter S, Megee P, **Sawarynski KE**, Noiva R, Thomas D, Rivest R. Threshold Concepts to Guide Student Support for M1 Students. 05/2018. (Peer reviewed poster presentation). William Davidson Medical Education Week 2018, Royal Oak, Michigan
22. Baxa DM, **Sawarynski KE**. Leveraging Medical Student Research to Promote Practice of Self-Regulation. 11/2018. Peer reviewed Innovation Highlights in Medical Education. 2018 AAMC Learn Serve Lead Annual Meeting, Austin, Texas
23. Wolfson R, Alberson K, Beach MC, Chretien K, Meurer L, Mullan P, Ropson I, **Sawarynski K**, Schoenbaum E, Williams B, Zier K, Arora V. Impact of Mentorship within Scholarly Concentration Programs on Student Career Interests and Professional Identity Formation. 11/2018. Peer reviewed Innovation Highlights in Medical Education. 2018 AAMC Learn Serve Lead Annual Meeting, Austin, Texas
24. Shafer, C., Romanski, M., Jaeger, C., Attardi, S., **Sawarynski, KE**. Empowering Students in Curriculum Reform: A Case Study of a Clerkship Evaluations Task Force. 06/2025. International Association of Medical Science Educators 2025 Conference, Calgary, Alberta, Canada

TEACHING

Courses Taught

8/2008 - 5/2012	Biology I Laboratory, Course Director, Lawrence Technological University, Department of Natural Sciences, Southfield, MI
4/2010 - 5/2012	Microbiology Laboratory Course, Course Developer and Course Director, Lawrence Technological University, Department of Natural Sciences, Southfield, MI
1/2011 - 4/2012	Molecular Diagnostic Course - Infectious Diseases Fellows Program, Course Developer & Lecturer, Beaumont Health System, Royal Oak, Michigan
8/2013 - 12/2013	Capstone 3, Course Director
8/2013 - Present	Embark 1 (formerly Capstone 1), Course Director
1/2014 - 5/2014	Capstone 4 & 5, Course Director
1/2014 - Present	Embark 2 (formerly Capstone 2), Course Director
7/2015 - Present	Embark 6 (formerly Capstone 6), Course Director
7/2015 - Present	Embark 8 (formerly Capstone 8), Course Director
7/2015 - Present	Embark 9 (formerly Capstone 9), Course Director
1/2016 - Present	Embark 7 (formerly Capstone 7), Course Director
1/2016 - Present	Embark 10 (formerly Capstone 10), Course Director
8/2021 - Present	Embark 3, Course Director

1/2022 - Present Embark 4 & 5, Course Director

Lectures

8/2011 - Present Biomedical Foundations of Clinical Practice I - Introduction to the Cell, Tools of Cell Biology; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

8/2011 - Present Biomedical Foundations of Clinical Practice I - Cytoskeleton & Cell Movement; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

8/2011 - Present Biomedical Foundations of Clinical Practice I - Cell Signaling I & II; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

8/2011 - Present Biomedical Foundations of Clinical Practice I - Cell Adhesion; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

8/2012 - 8/2013 Biomedical Foundations of Clinical Practice I - Cell Biology & Histology Team Based Learning Session, OUWB, Rochester, Michigan

9/2012 - Present Biomedical Foundations of Clinical Practice I - Apoptosis; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

11/2012 - Present Endocrine Organ System Course - Hormones & Cell Signaling; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

1/2013 - 1/2013 Neuroscience Organ Systems Course - Sensory Transduction, OUWB, Rochester, Michigan

1/2013 - Present Neuroscience I Organ Systems Course - Cell Biology of the Nervous System; Converted to novel interactive virtual Moodle Lesson in 2021, OUWB, Rochester, Michigan

5/2013 - Present Respiratory Organ Systems Course - Molecular Mechanisms of Lung Cancer; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan

9/2013 - 9/2013 Capstone 1 - Hypothesis Driven Research, OUWB, Rochester, Michigan

1/2014 - 1/2014 Capstone 2 - Project Plan & Proposals, OUWB, Rochester, Michigan

1/2014 - Present	Biomedical Foundations of Clinical Practice II (Moved to Hematology & Lymphoid Organs System Course in 2015) - Molecular Mechanisms of Cancer; Converted to novel interactive virtual Moodle Lesson in 2021, OUWB, Rochester, Michigan
3/2014 - 3/2014	Capstone 4 - Best Practices in Presentation Skills, OUWB, Rochester, Michigan
5/2014 - 5/2014	Capstone 2 - Capstone Project Status and Plans, OUWB, Rochester, Michigan
8/2014 - 8/2014	Biomedical Foundations of Clinical Practice I - Introduction to the Components of the Cell, OUWB, Rochester, Michigan
8/2014 - 12/2023	Embark 1 - Introduction to Research Design & Project Management Course, Roles and Responsibilities, Researching Potential Mentors, OUWB, Rochester, Michigan
8/2014 - 12/2023	Embark 1 - Research Question & Specific Aims Generation, OUWB, Rochester, Michigan
10/2014 - 10/2014	Capstone 1 - Faculty Breakout Session, Mentor Search / Project Identification, OUWB, Rochester, Michigan
11/2014 - 11/2019	Embark 1 - Introduction to Writing a Project Proposal, Operationalization of a Study, OUWB, Rochester, Michigan
12/2014 - 12/2023	Embark 1 - Example Research Proposal - In Class Discussion and Feedback, OUWB, Rochester, Michigan
2/2015 - 12/2023	Embark 1 - IRB Discussion, In Class Breakdown of Example IRB Applications, OUWB, Rochester, Michigan
5/2015 - 5/2020	Embark 2 - Capstone Conversation (Developing a plan for projects after M1 year), OUWB, Rochester, Michigan (
8/2015 - 12/2019	Embark 1 - Introduction to CITI, Introduction to the IRB, OUWB, Rochester, Michigan
11/2015 - 11/2019	Biochemistry of Disease - Apoptosis, Invited lecture, Oakland University - Biology Department, Rochester, Michigan
11/2015 - 11/2019	Biochemistry of Disease - Molecular Mechanisms of Cancer, Invited lecture, Oakland University - Biology Department, Rochester, Michigan
8/2016 - Present	Anatomical Foundations of Clinical Practice I - The Cell; Converted to novel interactive virtual Moodle Lesson in 2020, OUWB, Rochester, Michigan
11/2016 - 11/2019	Biochemistry of Disease - Cell Signaling, Invited lecture, Oakland University - Biology Department, Rochester, Michigan

8/2017 - 12/2019	Embark 1 - Research Team Building - Mentor/Student Relationship, OUWB, Rochester, Michigan
1/2018 - 5/2020	Embark 2 - Project Type Workshops, OUWB, Rochester, Michigan
1/2018 - 5/2020	Embark 2 - Project Proposal to IRB Transition, OUWB, Rochester, Michigan
1/2019 - Present	Embark 4 - Presenting at a Conference Workshop, Oakland University William Beaumont School of Medicine, Rochester, Michigan
1/2019 - Present	Embark 4 - Finding a Journal and Getting Started with Publishing Workshop, Oakland University William Beaumont School of Medicine, Rochester, Michigan
10/2019 - Present	Embark 4 - Best Practices in Abstract Writing - Workshop, Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - 12/2023	Embark 1 - Mentor Expectations Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - 12/2023	Embark 1 - Research Question and Specific Aims Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - 12/2023	Embark 1 - Project Proposal Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - 12/2023	Embark 1 - Institutional Review Board & Regulatory Compliance Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - Present	Embark 3 - Scientific Communication Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - Present	Embark 3 - Scientific Communication Synchronous Session, Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2020 - Present	Embark 3 - Presenting and Publishing your Research Asynchronous Module (novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan

8/2020 - Present	Embark 3 - Presenting and Publishing your Research Synchronous Session, Oakland University William Beaumont School of Medicine, Rochester, Michigan
1/2021 - Present	Embark 2 - Finding a Mentor Asynchronous Module (novel interactive virtual Moodle Lesson, revamped in Fall 2024), Oakland University William Beaumont School of Medicine, Rochester, Michigan
1/2021 - Present	Embark 2 - Defining Your Research Question Asynchronous Module (novel interactive virtual Moodle Lesson, revamped in Fall 2024), Oakland University William Beaumont School of Medicine, Rochester, Michigan
1/2021 - Present	Embark 2 - Project Proposal Operationalization Asynchronous Module (novel interactive virtual Moodle Lesson, revamped in Fall 2024), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Study Designs Block (revamp of Embark 1 course, new novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Study Designs Synthesis Session (interactive, case-based block synthesis session), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Quality & Relevance in Research Block (revamp of Embark 1 course, new novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Quality & Relevance in Research Synthesis Session (interactive, case-based block synthesis session), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Bias & Misinterpretation in Research Block (revamp of Embark 1 course, new novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
8/2024 - Present	Embark 1 - Bias & Misinterpretation in Research Synthesis Session (interactive, case-based block synthesis session), Oakland University William Beaumont School of Medicine, Rochester, Michigan

- 8/2024 - Present Embark 1 - Interpreting Conflicting Results in Research (revamp of Embark 1 course, new novel interactive virtual Moodle Lesson), Oakland University William Beaumont School of Medicine, Rochester, Michigan
- 8/2024 - Present Embark 1 - Interpreting Conflicting Results in Research Synthesis Session (interactive, case-based block synthesis session), Oakland University William Beaumont School of Medicine, Rochester, Michigan

Advising / Mentoring

Embark Program

- 8/2013 - 5/2017 Matthew Newman, OUWB, Role: Mentor, The Histological Connection Between Dysplastic Nevi and Melanoma
- 8/2013 - 5/2017 Sarah Gaubatz, OUWB, Role: Mentor, Improving Parental Attitudes Towards Vaccinations through an Educational Session
- 8/2014 - 5/2018 Victoria Francis, OUWB, Role: Mentor, Postpartum Depression Education During Pregnancy
- 8/2015 - 5/2019 Kuntal Chowdhary, OUWB, Role: Mentor, In-vivo measurement of the tension of the iliotibial band (ITB) in motion correlated to the incidence of iliotibial band syndrome (ITBS)
- 8/2015 - 5/2019 Jennifer Okungbowa-Ikponm, OUWB, Role: Mentor, Understanding the Influences Surrounding Iron Deficiency in Infants (6-12 months old)
- 8/2016 - 5/2020 Chase Barker, OUWB, Role: Advisor, An analysis of acute and late toxicity in patients treated with high-dose rate brachytherapy for prostate cancer
- 8/2017 - 1/2020 Fiona Sun, OUWB, Role: Advisor, Blue Light Cystoscopy Registry of Patients with non-muscle invasive bladder cancer at a Single Institution
- 10/2020 - 5/2024 Justine Chee, OUWB, Role: Advisor, Regulation of Single-Carbon Units in Folate Metabolism Through Serine-Glycine Biosynthesis is Essential for Eye Formation
- 2/2021 - 5/2024 Sunny Neil Khatter, OUWB, Role: Advisor, The effects of UW Solutions in preventing ischemia induced apoptosis of retinal ganglion cells after whole eye transplantation
- 4/2021 - 5/2024 Jenny Nguyen, OUWB, Role: Advisor, Understanding the psychological impact of early diagnosis in young adult patients with Myeloproliferative Neoplasms

11/2021 - 5/2024	Holly Shifman, OUWB, Role: Advisor, Association of Primary Care Shortage Areas with Pediatric Liver Transplant Outcomes
1/2022 – 5/2025	Darshana Blaise, OUWB, Role: Mentor, Sleep Quality of Preclinical Medical Students During Hybrid and Remote Learning Periods Amidst the COVID-19 Pandemic
2/2022 – 5/2025	Garrett Perozich, OUWB, Role: Mentor, Curriculum-Dependent Sleep Deprivation Amongst Medical Students
1/2023 - Present	Madison McClune, OUWB, Role: Advisor, Defining Cutaneous Gene Expression Signatures in Pediatric Lupus
5/2023 - Present	Joe Dib, OUWB, Role: Advisor, Effect of Antibiotics and Proton Pump Inhibitors on Response to Immune Checkpoint Inhibition Treatment in Renal Cell Carcinoma
11/2024 - Present	Avery Ralston, OUWB, Role: Advisor, IMAGEN: Improving Access to Genetic Testing

Residents & Fellows

2007	Jorgelina de Sanctis, William Beaumont Hospital, Role: Advisor, Infectious Disease Research Fellow
2008	Aditi Swami, William Beaumont Hospital, Role: Advisor, Infectious Disease Research Fellow
2008	Ludmyla Gerasymchuk, William Beaumont Hospital, Role: Advisor, Infectious Disease Research Fellow
2010	Nicholas Gilpin, William Beaumont Hospital, Role: Advisor, Infectious Disease Research Fellow
2011	Alexandru David, William Beaumont Hospital, Role: Advisor, Infectious Disease Research Fellow
2011	Casey Rice, William Beaumont Hospital, Role: Advisor, Infectious Disease Resident
2011	Zachary Levine, William Beaumont Hospital, Role: Advisor, Infectious Disease Resident

Directed Student Learning

7/2024 - 2/2025	Corey Shafer, Oakland University William Beaumont School of Medicine, Gen Z in Medical Education - Directed Independent Non-Clinical M4 Elective (DINCE)
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Educational Materials

8/2014 - 7/2020	Online Tutorial. Embark Program - Mentor Selection Modules. Series of online modules created/compiled to provide just-in-time research training resources, Example topics include Authorship, Questions to Ask Your Mentor, and Team Dynamics
8/2014 - 7/2020	Online Tutorial. Embark Program - Project Selection Modules. Series of online modules created/compiled to provide just-in-time research training resources, Example topics include Reading a Scientific Paper, Research Question Design, and Research Types and Innovation
8/2014 - 7/2020	Online Tutorial. Embark Program - Project Proposal Modules. Series of online modules created/compiled to provide just-in-time research training resources, Example topics include Specific Aims Development, Writing the Research Proposal, and Presenting Results
8/2014 - 7/2020	Online Tutorial. Embark Program - Institutional Review Board and Communicating Science Modules. Series of online modules created/compiled to provide just-in-time research training resources, Example topics include De-identifying Data, Informed Consent, and Communicating Science

RESEARCH & GRANTS

8/2003 - 5/2005	NCI Training Grant "Ruth L. Kirschstein National Research Service Award" - Karmanos Cancer Institute Cancer Biology Program, Wayne State University School of Medicine, Detroit, MI, Pre-doctoral Trainee, National Cancer Institute
5/2013 - 5/2014	OUWB Department of Biomedical Sciences Multimedia Grant Award, Principle Investigator, OUWB Department of Biomedical Sciences
4/2016 - 4/2017	OUWB Department of Biomedical Sciences Research Seed Grant, Principle Investigator, OUWB Department of Biomedical Sciences
11/2017 - 5/2024	OUWB Research Pilot Grant Program - OUWB Medical Student Longitudinal Activity-Stress-Sleep Tracking Wellness Initiative – LASTing Wellness, Principle Investigator, Oakland University William Beaumont School of Medicine

SERVICE

Editorial & Review Activities

9/2007 - 12/2007	Peer Reviewer, Radiation Research, Ad Hoc
8/2012 - 12/2012	Peer Reviewer, Advances in Physiology Education, Ad Hoc
5/2013 - 5/2016	Abstract and Presentation Reviewer and Judge, Capstone Oral Presentations - M2 Year, OUWB Embark Program
1/2014 - Present	Peer Reviewer, Association of American Medical Colleges - Medical Education Meeting, and Learn Serve Lead Meeting
11/2014 - Present	Peer Reviewer, International Association of Medical Science Educators - Annual Meeting
9/2015 - Present	Peer Reviewer, MedEdPORTAL: The Journal of Teaching and Learning in Medicine
3/2016 - Present	Peer Reviewer, Association of American Medical Colleges - Central Group on Educational Affairs Spring Conference
5/2018 - 12/2018	Peer Reviewer, Elsevier - Medical Cell Biology Textbook, 4th Edition (solicited to review entire textbook)
10/2019 - Present	Peer Reviewer, Journal of Medical Education and Curricular Development
6/2020 - 6/2020	Peer Reviewer, Construction Management and Economics (article on Undergraduate Student Resilience)
2/2021 - Present	Peer Reviewer, Academic Medicine
4/2021 - 3/2022	Peer reviewer, Norton - Alberts Molecular Cell Biology 7th edition Textbook and Instructor Resources
4/2021 - Present	Peer Reviewer, Teaching and Learning in Medicine
1/2022 - Present	Peer Reviewer, INQUIRY: The Journal of Health Care Organization, Provision, and Financing
9/2023 - Present	Peer Reviewer, BMC Medical Education

Professional Organizations

2000 - 2001	Student Intern, Southwest Michigan Affiliate of the Susan G. Komen Breast Cancer Foundation, Susan G. Komen Breast Cancer Foundation
2003 - 2004	Student Representative, Wayne State University Cancer Biology Graduate Program, Wayne State University
2007 - 2012	Committee Member, Beaumont Health System Lab Research Committee, Beaumont Health System

2007 - 2012	Initiator of Pilot Purchasing Program, Beaumont Research Institute, Beaumont Health Systems
2009 - 2009	Preceptor, Southeast Michigan Center for Medical Education Annual Research Workshop series, Southeast Michigan Center for Medical Education
2009 - 2012	Committee Member, Beaumont Health System Research Committee – Lab Safety in Research Labs, Beaumont Health Systems
2010 - 2012	Committee Member, Beaumont Health System Animal Care Committee, Beaumont Health System
2010 - 2016	Community & Reviewing Committee Member, Wayne State University Institutional Biosafety Committee, Wayne State University
2012 - 2012	Committee Member, Beaumont Health System Institutional Biosafety Committee, Beaumont Health System
2013 - 2014	Poster Judge, APS Bruce Awards for Undergraduate Research at Experimental Biology, American Physiological Society
2013 - 2015	National Certification Committee & Certification Advisory Committee, ASBMB Degree Certification Program in Biochemistry & Molecular Biology, American Society for Biochemistry and Molecular Biology
2015 - 2015	Poster Judge, ASBMB Undergraduate Student Research Poster Competition, American Society Biochemistry and Molecular Biology
2016 - 2019	Research Presentation Judge, Beaumont Health System - Annual Resident's Research Day, Beaumont Health System
2017 - 2018	Advisory Board Member, Lawrence Technological University Life Sciences Advisory Board, Lawrence Technological University, Southfield, MI
2018 - Present	Advisory Board Member, Lawrence Technological University Natural Sciences Advisory Board, Lawrence Technological University, Southfield, MI
2023 - Present	Conference Chair, Accreditation Preparation & Quality Improvement (APQI) Annual National Conference Committee, National Community of Practice Organization
2025 - Present	Committee Member, American Association of Medical Colleges (AAMC) Medical Education Program Planning Committee

Public Organizations

2020 - 2020 Taskforce Member, West Bloomfield School District Middle School Transition Taskforce

OUWB School of Medicine Service Roles

2010 - 2011 Founding Committee Member, Curriculum Committee

2011 - 2014 Founding Vice-Chair, Curriculum Integration Subcommittee

2012 - 2014 Committee Member, Biochemistry Faculty Search Committee

2012 - 2020 Faculty Facilitator, Admissions Day Interview TBL Facilitator

2012 - 2020 Interviewer, Admissions Committee Interviewer, completed 142 individual applicant interviews and reports

2012 - Present Faculty Feedback Provider, TBL Peer evaluation

2012 - Present Member, Medical Education Research Faculty Learning Communities & Book Clubs

2013 - 2013 Invited Panel Member, Diversity Dialogue – Women in Medicine

2013 - 2013 Table Facilitator, OUWB Medical Ethics Dinner

2013 - 2014 Faculty Advisor, Penumbra Student Medical Literary Journal

2013 - 2014 Chair, Facilitator of Magnet Consulting - Departmental Development Workshop Series, Biomedical Sciences Dept. Seminar Series Committee

2013 - 2015 Faculty Session Leader, Bioengineering and Biomedical Sciences Summer Program

2013 - 2017 Wellness Activity Faculty Facilitator, M1 Class Orientation

2013 - 2019 Committee Member, Student Performance Review Committee

2013 - 2020 Committee Member, Admissions Committee, completed and presented 456 reviewer reports for individual applicants

2014 - 2014 Committee Member, LCME Self-Study Committee (Institutional Studies)

2014 - 2015 Ex-officio Member, Embark Program (Capstone) Presentation Committee including Oral Presentation, Mini-Manuscript, and Research Colloquium Sub-Committees (redesigned in 2015)

2014 - 2019 Committee Member, Admissions Committee Action Sub-Committee

2014 - 2020 Invited Faculty Panel Member, Admissions Second Look Day (Prospective Medical Students)

2014 - Present Committee Member, M1 / M2 Curriculum Sub-Committee

2015 - Present	Faculty Advisor, Oncology Interest Medical Student Group
2015 - Present	Embark Program Director, Medical Student Research Training Program, (non-stipended position), Includes, beginning in 2015, redesign and scaling up of original Capstone medical student research program; development and implementation of a novel database tracking system; advising and approving research project milestones for approx. 250 students each year; recruiting faculty mentors annually; planning and facilitating Embark program events (oral presentations, mini-manuscript scholarship competition, and Embark Capstone Colloquium); and due to COVID revamping the Embark Program curriculum, resources, events and mentor networking
2016 - 2022	Chair, Scholarship Committee, During tenure as Chair, committee evolved from reviewing approx. 70 applications annually to over 1100 applications from matriculated students for over \$200,000 in annual scholarships.
2020 - 2020	Faculty facilitator, OUWB Student Affairs Chit-chat & Conversation – weekly Zoom conversation with students throughout initial COVID remote months (March - August); facilitated Winter Break Faculty led virtual activities program
2020 - 2021	Liaison Team Member, OUWB Diversity Liaison Program
2020 - 2021	Committee Member, Biochemistry Faculty Member Search Committee
2020 - 2021	Committee Member, Population Health Faculty Search Committee
2020 - 2021	Chair, Medical Library Faculty Search Committee
2020 - Present	Chair, Committee on Committees
2021 - 2022	Chair, Medical Library Director Search Committee
2021 - 2022	Member, OUWB Diversity Champion Program
2021 - 2023	Task Force Member, Foundational Medical Studies Remote Work Task Force
2021 - 2024	President, Oakland University William Beaumont School of Medicine Faculty Assembly
2021 - 2024	Chair, (Committee member 2021-2024, Chair 2023-2024), Foundational Medical Studies Department Committee on Appointments, Promotion and Tenure
2022 - 2022	Chair, Medical Library Faculty Search Committee
2022 - 2022	Chair, M1/M2 Curriculum Sub-Committee – Clinical Experiences Integration Task-force

2022 - 2023	Task Force Member, OUWB Academic Calendar Task Force
2022 - 2023	Lead Facilitator, Developed and Facilitated monthly book club for faculty and staff, OUWB Center for Excellence in Medical Education Dare to Lead Book Club
2022 - 2023	Faculty shadow, Shadowing Associate Dean for Institutional Effectiveness & Faculty Accreditation Lead, Included taking the lead on OUWB's August 2022 LCME status report, meeting with the Secretariat at AAMC Learn Serve Lead 2022, initiating & developing OUWB CQI process
2022 - Present	Committee Member, OUWB Medical School Management Committee
2023 - 2024	Task Force member, OUWB Step 1/M3 Transition Task Force
2023 - Present	Mentor, Foundational Medical Studies Faculty Mentorship Program
2023 - Present	Committee Member, OUWB Policy Review Committee (previously Ad-Hoc Policy Review Committee)
2024 - 2024	Guest Coach, OUWB Leadership Education and Development Certificate Program
2024 - 2024	Committee Member, OUWB Senior Medical Student Advisor search committee
2024 - Present	Co-chair, OUWB Bylaws Ad-Hoc Committee
2024 - Present	Committee Member, OUWB 2026-2030 Strategic Planning Committee
2025 - Present	Coalition Member, OUWB Learning Environment Oversight Coalition
2025 - Present	Committee Member, OUWB Associate Dean of Research and Graduate Studies/Corewell Health East Scientific Director Search Committee

Volunteer Services

2014 - 2024	Adopt-A-Family Holiday Program, Children's Hospital of Michigan
2017	Organizer of Adopt an Apartment for recent refugee, Freedom House Detroit