April 3, 2023 – Students come to medical school with diverse interests, and in 2019 we launched the Scholarly Concentrations Program, an optional experience that allows students to explore their personal interests alongside the core medical school curriculum. It is hard to believe we are going to graduate our third cohort of Scholarly Concentration students in May 2023. Coming out of the COVID-19 pandemic in 2022, our students, faculty, staff and community partners continued to demonstrate their enthusiasm and commitment to the program. Seventy-four medical students in the Class of 2022 graduated having completed a scholarly concentration. In their Scholarly Concentrations end-of-program survey, 84 percent of respondents from the Class of 2022 said they would recommend the program to first-year medical students. I am pleased to report that 67 students in the Class of 2023 successfully completed their scholarly concentrations and will graduate in May 2023.

Today, we have 17 concentrations and have more than tripled enrollment with about 65 percent at regional campuses. Participants are led, mentored and supported by nearly 220 faculty, staff and community members. A majority are from IU School of Medicine, and others from institutions, including Purdue’s Weldon School of Biomedical Engineering, the Kinsey Institute, the School of Liberal Arts at IUPUI, the University of Notre Dame, and IU’s Richard M. Fairbanks School of Public Health and Kelley School of Business. We could not deliver this program without the incredible support and dedication of these colleagues.

The Scholarly Concentrations Program offers students a longitudinal extracurricular program, designed to enhance their medical school experience through a parallel curriculum without incurring additional time or tuition. Students complete topic-specific coursework, engage in scholarly pursuits, benefit from mentorship to become better prepared leaders in their chosen field, and develop professional identity beyond medical knowledge. The topics are of broad interest. The Public Health and Business concentrations provide a path to dual degrees. The program leverages the unique expertise, strengths, interests and needs of our diverse campuses and communities. This is important for our regional campuses, where the program serves as a tool to help attract and retain students. For our students, I believe they can be a game changer when they are applying for residencies.

During 2022, program leaders continued to gather feedback and adjust while building systems, processes and practices to ensure the sustainability of this large and rapidly growing program. Curriculum and resources in support of community engagement and community-engaged research were developed thanks to a partnership with the Indiana Clinical and Translational Sciences Institute that was funded by the federal Health Resources and Services Administration grant IUSM received to help educate medical students to better care for underserved populations. Scholarly work on the program was presented at the AAMC Group on Educational Affairs and Group on Regional Medical Campuses conferences, as well as the national Assessment Institute.

I truly appreciate everyone working diligently to create an enriching program for our students. I want to thank Deb Birnbaum, the program’s director, and Michelle Marie Polanco, our program coordinator, for their leadership and stewardship. I am extremely proud of and grateful for them, all of our concentration faculty, staff, and community partners. I applaud the students participating. They, along with our School and communities are better for it.

Sincerely,

Paul M. Wallach, MD
Executive Associate Dean
Educational Affairs
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Scholarly Concentrations

<table>
<thead>
<tr>
<th>Location</th>
<th>Concentrations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloomington</td>
<td>- Human Sexuality and Health</td>
</tr>
<tr>
<td></td>
<td>- Kinsey Institute</td>
</tr>
<tr>
<td></td>
<td>- Medical Education</td>
</tr>
<tr>
<td>Evansville</td>
<td>- Quality and Innovation in Health Care</td>
</tr>
<tr>
<td></td>
<td>- local health care systems</td>
</tr>
<tr>
<td>Fort Wayne</td>
<td>- Health Integration and Healthy Aging</td>
</tr>
<tr>
<td></td>
<td>- regional health care systems</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>- Biomedical Research</td>
</tr>
<tr>
<td></td>
<td>- Genetics in Medicine</td>
</tr>
<tr>
<td></td>
<td>- Health Information Technology</td>
</tr>
<tr>
<td></td>
<td>- Regenstrief Institute</td>
</tr>
<tr>
<td></td>
<td>- Medical Humanities</td>
</tr>
<tr>
<td></td>
<td>- Medical Humanities and Health Studies, School of Liberal Arts</td>
</tr>
<tr>
<td>Muncie</td>
<td>- Health Promotion and Disease Prevention</td>
</tr>
<tr>
<td></td>
<td>- BSU Clinical Exercise Physiology Program</td>
</tr>
<tr>
<td>Northwestern Gary</td>
<td>- Urban Medicine and Health Care Disparities</td>
</tr>
<tr>
<td></td>
<td>- community partners</td>
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<tr>
<td>South Bend</td>
<td>- Ethics, Equity and Justice</td>
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<tr>
<td></td>
<td>- University of Notre Dame</td>
</tr>
<tr>
<td>Terre Haute</td>
<td>- Rural Health</td>
</tr>
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<td></td>
<td>- rural health systems</td>
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<tr>
<td>West Lafayette</td>
<td>- Biomedical Engineering and Applied Medical Technology</td>
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<tr>
<td></td>
<td>- Purdue Weldon School of Biomedical Engineering</td>
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<tr>
<td></td>
<td>- Care of Hispanic/Latino Patients</td>
</tr>
<tr>
<td>Statewide*</td>
<td>- Business of Medicine</td>
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<tr>
<td></td>
<td>- Kelley School of Business</td>
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<td></td>
<td>- Public Health</td>
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<td></td>
<td>- Fairbanks School of Public Health</td>
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<tr>
<td></td>
<td>- Religion and Spirituality in Medicine</td>
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</tbody>
</table>

71% of Class of 2022 participants felt their participation in the program complemented and enhanced their core medical school curriculum

Source: Class of 2022 End of Program Survey
### Scholarly Concentrations Program Enrollment as of December 31, 2022

<table>
<thead>
<tr>
<th>Campus</th>
<th>Scholarly Concentration</th>
<th>Launch</th>
<th>Enrollment</th>
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<tr>
<td>Bloomington</td>
<td>Human Sexuality and Health</td>
<td>2020</td>
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<td>Medical Education</td>
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<td>Quality and Innovation in Health Care</td>
<td>2019</td>
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<td>Fort Wayne</td>
<td>Health Integration and Healthy Aging</td>
<td>2019</td>
<td>7</td>
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<tr>
<td>Muncie</td>
<td>Health Promotion and Disease Prevention</td>
<td>2019</td>
<td>18</td>
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<tr>
<td>Northwest-Gary</td>
<td>Urban Medicine and Health Care Disparities</td>
<td>2019</td>
<td>27</td>
</tr>
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<td>South Bend</td>
<td>Ethics, Equity and Justice</td>
<td>2019</td>
<td>29</td>
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<tr>
<td>Terre Haute</td>
<td>Rural Health</td>
<td>2019</td>
<td>15</td>
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<tr>
<td>West Lafayette</td>
<td>Biomedical Engineering and Applied Medical Technology</td>
<td>2020</td>
<td>29</td>
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<tr>
<td></td>
<td>Care of Hispanic/Latino Patients</td>
<td>2019</td>
<td>20</td>
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<td>Indianapolis</td>
<td>Biomedical Research</td>
<td>2021</td>
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<td>Genetics in Medicine</td>
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<td>Health Information Technology</td>
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<td>Medical Humanities</td>
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<td>23</td>
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<td>Statewide</td>
<td>Business of Medicine</td>
<td>2019</td>
<td>62</td>
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<td>Public Health</td>
<td>2019</td>
<td>54</td>
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<tr>
<td></td>
<td>Religion and Spirituality in Medicine</td>
<td>2020</td>
<td>6</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
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<td><strong>366</strong></td>
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</table>
SCHOLARLY CONCENTRATIONS PROGRAM OVERVIEW

Scholarly Concentrations Update

Twenty twenty-two was a year of growth and development for the Scholarly Concentrations Program. At the end of the year, nearly 370 students were enrolled with around 220 faculty and staff supporting them through program leadership, teaching and mentoring in 17 concentrations across the statewide program. With 67 members of the Class of 2023 completing a scholarly concentration, they bring the number of program graduates to 148 in three short years, which included the COVID-19 pandemic.

The Scholarly Concentrations Program has five primary goals:

1. Increase student engagement at statewide campuses.
2. Provide interdisciplinary focus that complements and enhances the core curriculum.
3. Provide a longitudinal educational experience.
5. Provide an additional credential to residency applications.

Fourteen concentrations are based at one of the school’s nine campuses and three are readily available to students throughout the state. This allows students to dive into a topic of personal interest with a community of like-minded students, faculty, staff, and even, community members. Of the students participating in one of the 10 regional campus concentrations, 73 percent are in their regional campus concentration.

Unlike traditional academic certificates and degrees, Scholarly Concentrations are completed within the four years of medical school, and do not add time or costs to completing an MD degree. Students complete topic-specific courses, a scholarly project, write a manuscript they submit for publication, and present a poster at IU School of Medicine Education Day. Students in the Class of 2023 reported 17 manuscripts published or accepted. Students who have completed the program have generated 81 publications.

Students who successfully complete the requirements for a Scholarly Concentration earn eight weeks non-clinical elective credit toward graduation and a Scholarly Concentration designation on their transcript, which can also be added to their curriculum vitae and other professional documentation. Graduates are also recognized at Commencement.

Students can promote their Scholarly Concentration work to help them stand out in residency applications and interviews. Students report interest in their scholarly concentration work in residency interviews.

The Scholarly Concentration has come up in every single residency interview I’ve had! Every person who has asked has expressed how impressed they are with the project. Several of them have actually asked for the YouTube channel link and have become a subscriber. One had already made a recipe from my video before the interview!

Julie Vaughan, Class of 2023, Scholarly Concentration in Health Promotion and Disease Prevention, Muncie

55% of Scholarly Concentrations students in the Class of 2022 matched into U.S. News and World Report Top 25 residency programs compared to 50% of all IU School of Medicine graduates.
84% of Class of 2022 participants recommend the Scholarly Concentrations Program to 1st year medical students.

Source: Class of 2022 End of Program Survey

The Scholarly Concentrations Program is managed with a continuous quality improvement mindset. This involves not only collecting feedback as outlined in the program’s evaluation plan, but also conducting lessons learned and idea generation sessions, among other activities. Key to successful quality improvement is responding to the data.

In 2022, this included:

- adjustments and creation of new courses based on students’ end-of-course evaluations and other feedback;
- continuing implementation of the program’s evaluation plan;
- streamlining the application and enrollment process through the school’s new student information management system;
- ongoing enhancements to the student progress reporting system;
- ongoing testing of a school wide process and system for tracking, reporting and storing student scholarly work; and
- ongoing work with colleagues across IUSM and Indiana University to identify data, projects, mentors and other resources to scale and support student scholarly work.

In the Class of 2022 end-of-program survey, 83% of respondents said they intend to continue their scholarly concentration scholarly work.
The following students in the IU School of Medicine Class of 2022 completed all their Scholarly Concentrations Program requirements and earned a Scholarly Concentrations designation. Congratulations!

**BIOMEDICAL ENGINEERING AND APPLIED MEDICAL TECHNOLOGY**

**Hayley Chan**  
**Campus:** West Lafayette  
**Project:** Automatic Segmentation and Strain Analysis of Preclinical Cardiac Ultrasound and Photoacoustic Images Using Deep Learning  
**Mentor:** Craig Goergen, PhD  
**Residency:** Internal Medicine, Carle Foundation Hospital

**BUSINESS OF MEDICINE**

**Haider Al-Awadi**  
**Campus:** Indianapolis  
**Project:** Service Lines Analysis at a Free Clinic (FC): A Study to Improve Care for Underserved Patients in Indianapolis  
**Mentor:** M. Kim Saxton, MBA, PhD  
**Residency:** Urology, University of Kentucky College of Medicine

**Matthew Anderson**  
**Campus:** Indianapolis  
**Project:** Improving IUSM Student Outreach Clinic Care by Analyzing Implementation and Utilization of the Triple Aims of Healthcare at Other US-based Student-Led Health Clinics  
**Mentor:** Todd Saxton, MBA  
**Residency:** Vascular Surgery-Integrated, Medical University of South Carolina College of Medicine

**Christopher Arnold**  
**Campus:** Bloomington  
**Project:** Improving Orthopaedic Surgery Clinic Wait Times  
**Mentor:** Patrick Siparsky, MD  
**Residency:** Internal Medicine, Loyola University Medical Center

**Aatif Basher**  
**Campus:** Indianapolis
BUSINESS OF MEDICINE, CONTINUED

**Lovekirat Cheema**  
**Campus:** Fort Wayne

**Colton Houchin**  
**Campus:** Indianapolis  
**Project:** Identifying Novel Opportunities to Improve Smoking Cessation Among Emergency Department Observation Unit Patients  
**Mentor:** Nicholas Pettit, DO, PhD  
**Residency:** Emergency Medicine, Indiana University School of Medicine

**Conor Cunningham**  
**Campus:** Indianapolis  
**Project:** Gennesaret Free Clinics Patient Satisfaction  
**Mentor:** M. Kim Saxton, MBA, PhD

**Joseph Lenkey**  
**Campus:** Indianapolis

**Peter Leonard**  
**Campus:** Indianapolis  
**Project:** Anesthesia Institute for Medical Simulation (AIMS) Center  
**Mentor:** M. Kim Saxton, MBA, PhD; Pamela Hunt, RN  
**Residency:** Internal Medicine, Dartmouth-Hitchcock/Mary Hitchcock Memorial Hospital

**Mathew Padanilam**  
**Campus:** Indianapolis  
**Project:** Safety and Efficacy of Same-Day Discharge 1 for Ventricular Ablations  
**Mentor:** Jasen L. Gilge, MD  
**Residency:** Internal Medicine, University of Chicago Medical Center
BUSINESS OF MEDICINE, CONTINUED

Purva Patel
Campus: Indianapolis
Project: Solutions to Address the Effects of the Nationwide Nursing Shortage and Improve Nurse Satisfaction at Indiana University Health
Mentor: M. Kim Saxton, MBA, PhD
Residency: Internal Medicine, Indiana University School of Medicine

Emily Ritsema
Campus: Indianapolis

John Petroskey
Campus: Indianapolis

Summer Samuels
Campus: Indianapolis
Project: Solutions to Address the Effects of the Nationwide Nursing Shortage and Improve Nurse Satisfaction at Indiana University Health
Mentor: M. Kim Saxton, MBA, PhD
Residency: Internal Medicine, St. Vincent Hospitals and Health Care Center

Ishani Sharma
Campus: Indianapolis
Project: Anesthesia Institute for Medical Simulation (AIMS) Center
Mentors: M. Kim Saxton, MBA, PhD; Pamela Hunt, RN
Residency: Surgery-General, Westchester Medical Center-NY

Dylan Stolz
Campus: Indianapolis
Project: Gennesaret Free Clinics Service Lines Optimization
Mentor: M. Kim Saxton, MBA, PhD
Residency: Internal Medicine/Pediatrics, Indiana University School of Medicine
GRADUATE SPOTLIGHTS

Chris Tarnowski
Campus: Muncie

Acacia Williams
Campus: Indianapolis
Project: Gennesaret Free Clinics Patient Satisfaction
Mentor: M. Kim Saxton, MBA, PhD
Residency: Internal Medicine, Case Western Reserve University/University Hospitals Cleveland Medical Center

CARE OF HISPANIC/LATINO PATIENTS

Christian Arce Guzman
Campus: West Lafayette
Project: Influence of Medical Interpreters on the Healthcare Experiences of Hospitalized Spanish-Speaking Patients
Mentor: Ashley D. Meagher, MD, MPH
Residency: Internal Medicine, University of South Florida Morsani

Catherine Burns
Campus: Indianapolis
Project: An Investigation of Factors Impacting Vaccine Hesitancy Among Rural Indiana Hispanic Population
Mentor: Julianne Stout, MD, MPH
Residency: Obstetrics and Gynecology, Washington University/B-JH/SLCH Consortium

Claire Schopper
Campus: Indianapolis
Project: An Investigation of Factors Impacting Vaccine Hesitancy Among Rural Indiana Hispanic Populations
Mentor: Julianne Stout, MD, MPH
Residency: Surgery-General, Indiana University School of Medicine

Mark Westbroek
Campus: West Lafayette
Project: Healthcare Disparities by Insurance Status for Hispanic/Latino Patients in Indiana
Mentor: Raymundo Munguia-Vazquez, MD, PhD
Residency: Pediatrics, University of Nebraska Medical Center College of Medicine
## Graduate Spotlights

### Ethics, Equity and Justice

<table>
<thead>
<tr>
<th>Daniel Armounfelder</th>
<th>Alexis George</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus:</strong> South Bend</td>
<td><strong>Campus:</strong> South Bend</td>
</tr>
<tr>
<td><strong>Project:</strong> Analyzing the Efficacy of a Housing First Program in South Bend, Indiana</td>
<td><strong>Project:</strong> Jimmy’s Journey</td>
</tr>
<tr>
<td><strong>Mentor:</strong> David Lassen, PhD</td>
<td><strong>Mentors:</strong> Nicole Shirilla, MD; Margaret Mohrmann, MD</td>
</tr>
<tr>
<td><strong>Residency:</strong> Family Medicine, Memorial Hospital of South Bend</td>
<td><strong>Residency:</strong> Pediatrics, Spectrum Health/Michigan State University</td>
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</tbody>
</table>

### Genetics in Medicine

<table>
<thead>
<tr>
<th>Vijai Kumar Dorairaj Dharla Jr.</th>
<th>Fahad Hasnain</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Campus:</strong> Indianapolis</td>
<td><strong>Campus:</strong> Indianapolis</td>
</tr>
<tr>
<td><strong>Project:</strong> Guilty as CHARGEd: A Case Report of an Alternative Molecular Culprit for CHARGE Syndrome</td>
<td><strong>Project:</strong> Treatment of Post-Tonsillectomy Hemorrhage with Nebulized Tranexamic Acid: A Retrospective Study</td>
</tr>
<tr>
<td><strong>Mentor:</strong> Theodore E. Wilson, MD</td>
<td><strong>Mentor:</strong> Brian Dixon, PhD</td>
</tr>
<tr>
<td><strong>Residency:</strong> Psychiatry, Community Health Network</td>
<td><strong>Residency:</strong> Otolaryngology, Wayne State University School of Medicine Program</td>
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### Health Information Technology

### Health Integration and Healthy Aging

<table>
<thead>
<tr>
<th>Cade Plyer</th>
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<tbody>
<tr>
<td><strong>Campus:</strong> Fort Wayne</td>
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</table>
HEALTH PROMOTION AND DISEASE PREVENTION

Julie Vaughan
Campus: Terre Haute
Project: A Video-Based Intervention Addressing Food Insecurity and Nutritional Literacy
Mentor: Lynn Witty, MD
Residency: Family Medicine, University of Wisconsin School of Medicine and Public Health

HUMAN SEXUALITY AND HEALTH

Christine Ake
Campus: Bloomington
Project: Well-being in Healthy Icelandic Women Varies with Extreme Seasonality in Ambient Light
Mentor: Virginia Vitzthum, PhD
Residency: Psychiatry, St. Mary Mercy Hospital

Keeley Newsom*
Campus: Bloomington
Project: Assessing Whether Medical Students Consistently Ask Patients About Sexual Orientation and Gender Identity as a Function of Year in Training
Mentor: Gregory A. Carter, PhD
Residency: Plastic Surgery-Integrated, University of California San Diego Medical Center

Lucy Brown*
Campus: Indianapolis
Project: Sexual Communication Self-Efficacy and PrEP Literacy Helps to Meet HIV Prevention Outcomes Among Black and Latinx Individuals
Mentor: Gregory A. Carter, PhD
Residency: Obstetrics and Gynecology, Johns Hopkins University School of Medicine

Michael Riddle*
Campus: Bloomington
Project: They Don’t Know How to Deal with People Like Me: Assessing Health Care Experiences of Gender Minorities in Indiana
Mentors: Gregory A. Carter, PhD; Jessica Hille, JD, PhD
Residency: Psychiatry, Indiana University School of Medicine

*See page 17 for Products Published or Accepted
**Erin Becker**  
**Campus:** Indianapolis  
**Project:** Expectations, Experiences, and Effects of Women’s First Primary Care Visit About Infertility: A Qualitative Study  
**Mentor:** Katharine J. Head, PhD  
**Residency:** Psychiatry, Community Health Network

**Hannah Dempsey**  
**Campus:** Indianapolis  
**Project:** Experiences of Healthcare Workers with a Chronic Illness or Disability During COVID-19 Pandemic: A Mixed Method Study  
**Mentor:** Kenzie Latham-Mintus, PhD  
**Residency:** Internal Medicine, University of Cincinnati Medical Center Inc.

**Anna Purk**  
**Campus:** Indianapolis  
**Project:** Moral Distress in NICU and PICU Physicians While Caring for Children Born Extremely Premature  
**Mentor:** Jane Hartsock, JD, MA  
**Residency:** Pediatrics, Indiana University School of Medicine

**Autumn Bieber***  
**Campus:** Evansville  
**Project:** The Happy Doctor and His Patients: Erotic Postcards of a Physician  
**Mentor:** Diane Prenatt, PhD  
**Residency:** Pediatrics, Penn State Milton S. Hershey Medical Center

**Ferris Nimri**  
**Campus:** Indianapolis  
**Project:** Trends of COVID-19 Vaccine Hesitancy Among White, Black, and Latinx Americans  
**Mentor:** Angeline Larimer  
**Residency:** Psychiatry, Indiana University School of Medicine

*See page 17 for Products Published or Accepted*
GRADUATE SPOTLIGHTS

PUBLIC HEALTH

Kazeerat Adedokun
Campus: Indianapolis
Mentor: Sarah Wiehe, MD
Residency: Psychiatry, Indiana University School of Medicine

Nudar Bhuiya
Campus: Fort Wayne
Project: Feasibility and Acceptability of a Novel Biomedical Device to Prevent Neonatal Hypothermia and Augment Kangaroo Mother Care in Kenya: Qualitative Analysis of Focus Group Discussions and Key Informant Interviews
Mentor: Sherri L. Butcher, PhD
Residency: Internal Medicine, Case Western Reserve University/University Hospitals Cleveland Medical Center

James Brent
Campus: Terre Haute

Madison Dolan
Campus: Fort Wayne
Project: The NeoRoo Mobile App: Initial Design and Prototyping of an Android-based Digital Health Tool to Support Kangaroo Mother Care in Low/Middle-Income Countries (LMICs)
Mentor: Sherri L. Butcher, PhD
Residency: Family Medicine, Franciscan Health Indianapolis

Madeline Evans*
Campus: Indianapolis
Project: Completion of Social Drivers of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative
Mentor: Sarah Stelzner, MD
Residency: Neurology, Oregon Health & Science University Hospital

Yi Yan Heng*
Campus: Indianapolis
Project: I Bring Her Up with Love: Perspectives of Caregivers of Children with Neurodevelopmental Delays in Western Kenya
Mentor: Megan McHenry, MD
Residency: Pediatrics, Baylor College of Medicine

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Sarah Komanapalli*
**Campus:** Indianapolis
**Project:** Evaluation of Family Planning and Abortion Education in Pre-Clinical Curriculum at an Indiana Medical School
**Mentor:** Caitlin Bernard, MD

Scott Liu
**Campus:** Indianapolis
**Project:** Feasibility and Acceptability of a Novel Biomedical Device to Prevent Neonatal Hypothermia and Augment Kangaroo Mother Care in Kenya: Qualitative Analysis of Focus Group Discussions and Key Informant Interviews
**Mentor:** Sherri L. Butcher, PhD
**Residency:** Radiology-Diagnostic, Case Western Reserve University/University Hospitals Cleveland Medical Center

Brian Niebuhr*
**Campus:** Indianapolis
**Project:** Practical Considerations for Mass SARS-CoV-2 Pandemic Vaccination: A Narrative Review
**Mentor:** William M. Tierney, MD
**Residency:** Surgery-General, Detroit Medical Center Corporation

Francis Nwaneri
**Campus:** Indianapolis
**Project:** Risk of Bleeding Associated with Outpatient Use of Rivaroxaban in VTE Management at a National Referral Hospital in Western Kenya
**Mentor:** Sonak Pastakia, PhD
**Residency:** Anesthesiology, Indiana University School of Medicine

Shraya Patel*
**Campus:** Indianapolis
**Project:** Completion of Social Drivers of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative
**Mentors:** Sarah Stelzner, MD; Mary Ott, MD
**Residency:** Internal Medicine/Pediatrics, University of Minnesota Medical School

Christina Salgado
**Campus:** Indianapolis
**Project:** Characterizing Health Information Sources at a Student-Run Clinic Community in East Indianapolis
**Mentor:** Ruben Hernandez Mondragon, MD
**Residency:** Neurology, University of Virginia Medical Center

*See page 17 for Products Published or Accepted
**Melanie Scheive**

**Campus:** Indianapolis  
**Project:** Assessment of Patient Follow-up from Student-Run Free Eye Clinic to County Ophthalmology Clinic  
**Mentor:** Chi Wah Rudy Yung, MD  
**Residency:** Ophthalmology, Mayo Clinic Jacksonville

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**Allison Young**

**Campus:** Indianapolis  
**Project:** The NeoRoo Mobile App: Initial Design and Prototyping of an Android-based Digital Health Tool to Support Kangaroo Mother Care in Low/Middle-Income Countries (LMICs)  
**Mentor:** Sherri L. Butcher, PhD  
**Residency:** Emergency Medicine, University of Illinois College of Medicine at Chicago

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**Jake Whiteside**

**Campus:** West Lafayette  
**Project:** Learning by Doing: Local Stories from SARS-CoV-2 Vaccination Planning  
**Mentor:** William M. Tierney, MD  
**Residency:** Surgery-General, Mayo Clinic Jacksonville
**Quality and Innovation in Health Care**

**Christopher Blanco**
*Campus:* Evansville  
*Project:* Use of SGLT2-Inhibitors Reduces Heart Failures and Hospitalizations: A Multi-Center Real World Evidence Study  
*Mentor:* William R. Smith, MD  
*Residency:* Internal Medicine, Tufts Medical Center-MA

**Abigail Deal**
*Campus:* Evansville  
*Project:* Practice Transformation as a Feasible Solution to the Quadruple Aim  
*Mentor:* Amanda Bohleber, MD  
*Residency:* Pediatrics, Indiana University School of Medicine

**Shannon Gidley**
*Campus:* Evansville  
*Project:* Characterization of COVID-19 Mitigation Measures Among Workers from May 2020-June 2021  
*Mentor:* Kara Garcia, PhD  
*Residency:* Anesthesiology, Indiana University School of Medicine

**Brian Moreno**
*Campus:* Indianapolis  
*Project:* Observational Study of the Diagnosis and Referral Patterns of a Tertiary Care Children’s Hospital’s Multidisciplinary Cerebral Palsy Clinic  
*Mentors:* Emily Scott, MD; Florence Sun, MD  
*Residency:* Physical Medicine and Rehabilitation, McGaw Medical Center of Northwestern University

**Carly Robinson**
*Campus:* Evansville  
*Project:* Characterization of COVID-19 Mitigation Measures Among Workers from May 2020-June 2021  
*Mentor:* Kara Garcia, PhD  
*Residency:* Internal Medicine, Indiana University School of Medicine
Joe Riggs produced a manuscript that is under resubmission. In the Rural Health Scholarly Concentration, we were able to provide him good mentoring and training in the literature review process, data extraction, synthesis, and interpretation. In addition, he went through the process of manuscript writing, journal submission, and responding to reviewers’ comments. Overall, it was a fruitful research training experience.

Jiali Han, PhD, Mentor, Scholarly Concentration in Rural Health, Terre Haute
GRADUATE SPOTLIGHTS

URBAN MEDICINE AND HEALTH CARE DISPARITIES

**William Dyer***
**Campus:** Northwest-Gary  
**Project:** Vets Restoring Vets: A Community Based Participatory Research Evaluation of Operation Combat Bikesavers Innovative Peer Support Program  
**Mentor:** Baraka Muvuka, PhD, MPH  
**Residency:** Anesthesiology, University of Miami/Jackson Health System

**Alexander J Huang**
**Campus:** Northwest-Gary  
**Project:** Anomalous Celiac Trunk Variation Encountered in Y-90 Radioembolization  
**Mentor:** Ramana Yedavalli, MD

**Deeb Omari***
**Campus:** Northwest-Gary  
**Project:** The Impacts of the COVID-19 Pandemic on Youth Violence: Insights from Professional Key Informants  
**Mentors:** Baraka Muvuka PhD, MPH; Elizabeth R. Ryan, EdD  
**Residency:** Pediatrics, McGaw Medical Center of Northwestern University

**Cameron Snapp**
**Campus:** Northwest-Gary

**Clayton Tsang**
**Campus:** Northwest-Gary  
**Project:** Wide Field Fluorescein Angiography and Retinal Vein Occlusion  
**Mentor:** Amir Hajrasouliha, MD  
**Residency:** Surgery-General, Swedish Medical Center-WA

*See page 17 for Products Published or Accepted
HUMAN SEXUALITY AND HEALTH


MEDICAL HUMANITIES


PUBLIC HEALTH


URBAN MEDICINE AND HEALTH CARE DISPARITIES


Biomedical Engineering and Applied Medical Technology – West Lafayette

A partnership with Purdue University’s Weldon School of Biomedical Engineering, this concentration allows students to develop their understanding and application of biomedical engineering for the ethical design, development, and translation of medical and related technologies. No engineering experience is necessary.

<table>
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<tr>
<th>Coursework</th>
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<tr>
<td>Introduction to Biomedical Engineering and Translation of Medical Technologies</td>
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<td>Introduction to Customer Discovery</td>
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<tr>
<td>Fundamentals of Research and Scholarship</td>
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<tr>
<th>Staff, Mentors &amp; Instructors</th>
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<tbody>
<tr>
<td>Doug Brubaker, PhD</td>
</tr>
<tr>
<td>Assistant Professor of Biomedical Engineering, Purdue University</td>
</tr>
<tr>
<td>Deva Chan, PhD</td>
</tr>
<tr>
<td>Assistant Professor Biomedical Engineering, Purdue University</td>
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<tr>
<td>Graham Cooks, PhD</td>
</tr>
<tr>
<td>Henry B. Hass Distinguished Professor – Analytical Chemistry</td>
</tr>
<tr>
<td>Maria Dardalat, PhD</td>
</tr>
<tr>
<td>Assistant Professor of Biomedical Engineering, Purdue University</td>
</tr>
<tr>
<td>Melissa Kacena, PhD</td>
</tr>
<tr>
<td>Professor, Vice Chair for Research, Department of Orthopaedic Surgery</td>
</tr>
<tr>
<td>Chi Hwan Lee, PhD</td>
</tr>
<tr>
<td>Associate Professor of Biomedical Engineering and Mechanical Engineering, Purdue University</td>
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<tr>
<td>Jacquline Linnes, PhD</td>
</tr>
<tr>
<td>Marta E Gross Assistant Professor, Biomedical Engineering, Purdue University</td>
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<tr>
<td>Diane Little, BVSc, MSpVM, PhD</td>
</tr>
<tr>
<td>Associate Professor, Department of Basic Medical Sciences, Purdue University</td>
</tr>
<tr>
<td>Matt Lynall</td>
</tr>
<tr>
<td>Clinical Professor and Director, Purdue NSF I-Corps Site and Midwest I-Corps Node, Krannert School of Management, Purdue University</td>
</tr>
<tr>
<td>Georgia Malandraki, PhD</td>
</tr>
<tr>
<td>Associate Professor of Speech, Language, and Hearing Sciences, Purdue University</td>
</tr>
<tr>
<td>Anne Sereno, PhD</td>
</tr>
<tr>
<td>Professor of Psychological Sciences and Biomedical Engineering</td>
</tr>
<tr>
<td>Riyi Shi, PhD</td>
</tr>
<tr>
<td>Mari Hulman George Endowed Professor of Applied Neuroscience; Director, Center for Paralysis Research, College of Veterinary Medicine, Professor of Basic Medical Science, Purdue University</td>
</tr>
<tr>
<td>Luis Solorio, PhD</td>
</tr>
<tr>
<td>Assistant Professor of Biomedical Engineering, Purdue University</td>
</tr>
<tr>
<td>Matthew Ward, PhD</td>
</tr>
<tr>
<td>Assistant Professor of Biomedical Engineering, Purdue University</td>
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<tr>
<td>Jayne R. Rayman</td>
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<tr>
<td>Outreach and Communications Specialist, IUSM-West Lafayette</td>
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<table>
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<tr>
<th>Co-Directors</th>
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</thead>
<tbody>
<tr>
<td>Ray Munguia-Vazquez, MD, PhD</td>
</tr>
<tr>
<td>Adjunct Clinical Assistant Professor of Otolaryngology-Head &amp; Neck Surgery</td>
</tr>
<tr>
<td>Andrew O. Brightman, PhD</td>
</tr>
<tr>
<td>Professor of Engineering Practice, Weldon School of Biomedical Engineering, Purdue University</td>
</tr>
<tr>
<td>Craig Goergen, PhD</td>
</tr>
<tr>
<td>Leslie A. Geddes Associate Professor of Biomedical Engineering, Weldon School of Biomedical Engineering, Purdue University</td>
</tr>
<tr>
<td>Aaron Lottes, PhD</td>
</tr>
<tr>
<td>Associate Professor of Engineering Practice, Weldon School of Biomedical Engineering, Purdue University</td>
</tr>
</tbody>
</table>

West Lafayette Regional Campus
Dean and Director
Matthew Tews, DO, MS

Student Participants

Class of 2026
Alec Booth, West Lafayette
Matthew Cochran, West Lafayette
Alexa Jauregui, West Lafayette
Sri Charan Kanthala, West Lafayette
Stasianne Mallin, West Lafayette
Karthik Raja Ravichandran, West Lafayette
Megan Sullivan, West Lafayette
Kenneth Virgin, West Lafayette
Albert Zhang, West Lafayette

Class of 2025
Talha Ahmad, West Lafayette
Sydney Clark, West Lafayette
Austin Darden, West Lafayette
Faith Darden, West Lafayette
Alison Jeffries, West Lafayette
Joseph Lazzara, West Lafayette
Katherine Li, West Lafayette
Amanda Thayer, West Lafayette
Jacob Thomas, West Lafayette

Class of 2024
Evan Anderson, West Lafayette
Christopher Dalloul, Terre Haute
Aditya Desai, West Lafayette
Maria Feucht, Indianapolis
Sunland Gong, Terre Haute
Meng-Yun Ku, West Lafayette
John Sakaleros, West Lafayette
Grant Tomlin, West Lafayette
Alan-Thomas Trinh, South Bend
I definitely think the Biomedical Engineering scholarly concentration program has helped widen my views. Collaborating with local physicians helps give relatable experiences for my future career.

Haley Chan, Class of 2023, Scholarly Concentration in Biomedical Engineering and Applied Medical Technology, West Lafayette

Source: Class of 2024 Project-Mentor survey
Biomedical Research – Indianapolis

Students engage in the critical concepts that underpin biomedical and clinical research, acquiring essential research tools including critical reasoning skills, using the scientific method in design of study, research rigor and reproducibility, research ethics, and disseminating research results for peer review. Students will also be introduced to various resources offered through the Indiana Clinical and Translational Sciences Institute to assist with biomedical research, including human subjects training, the Clinical Research Center, and the Project Development Team. Students are required to participate in Indiana University Medical Student Program for Research and Scholarship during the summer between their first and second years of medical school.

Coursework
- Immersion in Clinical and Patient-Oriented Research
- Clinical Research Methods
- Research Topics in Medicine
- Fundamentals of Research and Scholarship

Co-Directors
- Erika R. Cheng, PhD
  Assistant Professor of Pediatrics
- Lisa G. Yazel, EdD
  Assistant Research Professor of Pediatrics

Staff, Mentors & Instructors
- Aaron E. Carroll, MD
  Chief Health Officer of Indiana University
- Leonard Buller, MD
  Assistant Professor of Clinical Orthopaedic Surgery
- Michael Meneghini, MD
  Professor of Clinical Orthopaedic Surgery
- Andrew Otte, PhD
  Research Assistant Professor of Biomedical Engineering
- Sikander Khan, DO
  Assistant Professor of Medicine
- Michelle Starr, MD
  Professor of Pediatrics
- Mark Kelley, PhD
  Betty and Earl Herr Professor of Pediatric Oncology Research
- Michael Veronesi, MD, PhD
  Assistant Professor of Radiology & Imaging Sciences
- Bo Zhao, PhD
  Assistant Professor of Otolaryngology-Head & Neck Surgery
- Jennifer Eikenberry, MD
  Associate Professor of Clinical Ophthalmology
- Scott Snyder, PhD
  Associate Professor of Radiology & Imaging Sciences
- Troy Markel, MD
  Associate Professor of Surgery
- Chandan Sen, PhD
  J. Stanley Battersby Chair and Professor of Surgery, Director of the Indiana Center for Regenerative Medicine and Engineering and Executive Director of the Comprehensive Wound Care Center at IU Health Methodist Hospital
- Burcin Ekser, MD, PhD
  Associate Professor of Surgery
- Kara Garcia, PhD
  Assistant Research Professor of Radiology & Imaging Sciences and Navigator for the Indiana Clinical and Translational Sciences Institute

I have access to abundant raw patient data, which is very specialized and unique. The research we are conducting is exciting and cutting edge ... I have lots of autonomy in this project.

Class of 2025 Scholarly Concentration in Biomedical Research Participant, Indianapolis

Student Participants
Class of 2025
- Christopher Basinski, Indianapolis
- Larry Chen, Indianapolis
- Noah Davis, Indianapolis
- Andrew Gauger, Indianapolis
- Livia Georgescu, Indianapolis
- Samuel Kaefer, Indianapolis
- Manpreet Kaur, Indianapolis
- Eyram Kpenu, Northwest-Gary
- Saveda Majety, Indianapolis
- Tommaso Mason, Indianapolis
- Paul Smith, Indianapolis
- Mabel Spio, Indianapolis
- John Stout, Indianapolis
- Carmen Ungureanu, Indianapolis

Class of 2024
- Ethan Cornwell, Evansville
- Erica Geers, Evansville
- Thomas Kleckner, Evansville
- Eugene Lee, Indianapolis
- Austin Meyer, Indianapolis
- Mira Prabhakar, Indianapolis
- Brandon Sizemore, Bloomington
- Deepthi Thadasina, Indianapolis
Care of Hispanic/Latino Patients – West Lafayette

This scholarly concentration prepares students to provide culturally sensitive medical care to improve outcomes for the nation’s growing Hispanic and Latino population. Additionally, students can improve Spanish-speaking fluency and practice using Spanish in clinical settings.

Coursework
- Introduction to Public Health
- Introduction to Care of Hispanic/Latino Patients
- Fundamentals of Research and Scholarship

Co-Directors
- Ray Munguia-Vazquez, MD, PhD
  Adjunct Clinical Assistant Professor of Otolaryngology-Head & Neck Surgery
- Cecilia Tenorio, MA
  Senior Lecturer, Director of Minor in Spanish for the Professions, Purdue University
- Thomas I. Jones, MD
  Adjunct Clinical Assistant Professor of Medicine

West Lafayette Regional Campus Dean and Director
Matthew Tews, DO, MS

Staff, Mentors & Instructors
- Françoise Brosseau-Lapré, PhD
  Assistant Professor, Speech Language & Hearing Sciences, Purdue University
- Peter S. Pang, MD
  Chair, Department of Emergency Medicine
- Ashley D. Meagher, MD
  Assistant Professor of Surgery
- Jordan A. Holmes, MD
  Assistant Professor of Radiation Oncology
- Nikki Messmore, MS
  Program Director of Community & Civic Engagement
- Louis B. Cantor, MD
  Professor Emeritus of Glaucoma Research and Education
- Timothy B. O’Donnell, MD
  Clinical Assistant Professor of Family Medicine
- Julianne Stout, MD, MBA
  Clinical Associate Professor of Medicine and Pediatrics
- Ally-Khan Somani, MD, PhD
  Assistant Professor of Clinical Dermatology
- Jayne R. Rayman
  Outreach and Communications Specialist, IUSM-West Lafayette

Student Participants

Class of 2026
- Molly Beatty, West Lafayette
- Sydney Hornberger, West Lafayette
- Victoria Popp, West Lafayette
- Hugo Rodriguez, West Lafayette

Class of 2025
- Diana Arrocha, West Lafayette
- Gloria Garcia, West Lafayette
- Ethan Goins, West Lafayette
- Cameron Martin, West Lafayette
- Alexa Mederos, West Lafayette
- Jordan Thomas, West Lafayette
- Mary Jane Zeh, West Lafayette

Class of 2024
- Sophia Bertot, West Lafayette
- Joseph Clemens, West Lafayette
- Asif Hossain, West Lafayette
- Kristen Lentsch, West Lafayette

It was a great opportunity for me to pursue an area of interest outside of the typical medical school curriculum. It also was helpful in learning how to do scholarly work, which will be important in residency and my career.

Class of 2022 Scholarly Concentration in Care of Hispanic/Latino Patients Graduate, West Lafayette
Ethics, Equity and Justice – South Bend

This concentration provides the basic skills for separating the morally beneficial from the morally troubling practices of medicine and enables future physicians to better serve and advocate for their most vulnerable patients. A range of topics are covered, from clinical ethics to health equity. The other feature of this scholarly concentration in South Bend is the access to mentors from IU School of Medicine, Notre Dame and other community partners who are engaged in and committed to a broad spectrum of topics that fit within this concentration.

Coursework
Introduction to Medical Ethics
Ethics and Health Equity
Bioethics Journal Club
Fundamentals of Research and Scholarship

Co-Directors
Rev. Joe Kotva, PhD
Adjunct Assistant Professor of Medicine
Mark D. Fox, MD, PhD
Associate Dean and Director, IUSM-South Bend

Staff, Mentors & Instructors
Dave Lassen, PhD
Community-Engaged Learning Program Director, Center for Social Concerns, University of Notre Dame
Kathleen Eggleson, PhD
Assistant Professor of Clinical Medicine
Antwione Maurice Haywood, PhD
Associate Director for Diversity, Equity, and Inclusion, IU Simon Comprehensive Cancer Center
Nicole Shirilla, MD
Clinical Assistant Professor, The Ohio State University Center for Bioethics Division of Palliative Medicine

Student Participants
Class of 2026
Christopher Abrinko, South Bend
Mahmoud Al-Fadhl, South Bend
Madeline Andrews, South Bend
John Bales, South Bend
Caymah Dennis, South Bend
Claire Harper, South Bend
Jonathan Harris, South Bend
Morgan Lain, South Bend
Hanna Malik, South Bend
Joshua Scott, South Bend
Jackson Stone, South Bend

Class of 2025
Delaney Cordell, South Bend
Tyler Dietzel, South Bend
Blake Jaroszel, South Bend
Mackenzie Johnson, South Bend
Margaret Kovalan, South Bend
Mary O’Connor, South Bend
Eli Schantz, South Bend

Class of 2024
Malorie Cullers, South Bend
Megan Eigsti, South Bend
Rylee Friel, South Bend
Tyler Gabrelcik, South Bend
Jack Hibbard, South Bend
Mary Holohan, South Bend
Elis Kilbride, South Bend
Rebecca McCartney, South Bend
Caitlyn Mulcahey, South Bend
Genetics in Medicine – Indianapolis

This concentration provides a deep dive into the latest genetic developments and concepts that are transforming the practice of medicine. Students may explore clinical research, clinical case reports with literature reviews, or other areas of interest in the rapidly changing field of medical genetics.

Coursework
- Clinical Case Conference
- Genetics Clinic Experience
- Effective Communications in Genomic Medicine
- Genomic Medicine Journal Club
- Online Clinical Case Review
- Essential Lab Rotation
- Fundamentals of Research and Scholarship

Co-Directors
- Daniel R. Brady, PhD
  Lecturer in Medical & Molecular Genetics
- Vinaya Murthy, MPH, LCGC
  Assistant Professor of Clinical Medical & Molecular Genetics
- Stephanie Sharp, MD
  Assistant Professor
- Brittney-Shea Herbert, PhD
  Associate Professor, Vice Chair of Education

Staff, Mentors & Instructors
- Theodore E. Wilson, MD
  Assistant Professor
- Amy Breman, PhD
  Associate Professor, Cytogenetics Clinical Laboratory Director
- Cass Muesing, MS, CG(ASCP)CM
  Cytogenetics Clinical Laboratory Education Supervisor
- Molly McPherson, MD
  Assistant Professor
- Erin Conboy, MD
  Assistant Professor
- Evan-Jacob Garcia, MD
  Assistant Professor
- Rebecca Gee, MA
  Education Programs Manager, Medical and Molecular Genetics

Student Participants

Class of 2025
- Rebecca Bruns, Indianapolis
- Muqsit Buchh, Indianapolis
- Kristine Farag, Indianapolis
- Sruthi Ganapaneni, Indianapolis
- Jasmine Moawad, Indianapolis
- Ethan Wood, Indianapolis

Class of 2024
- Ashwin Biju, Indianapolis
- Christian Karcher, Indianapolis
- Folami Morris, Indianapolis
- Willa Sasso, Indianapolis
- Camilo Suescum, Indianapolis

Class of 2026
- (leave of absence, graduate study or research)
- Cristina Contreras Burrola, Indianapolis
- Helapita Ralalage Sagara Wijeratne, Indianapolis

Class of 2027
- (leave of absence, graduate study)
- Kaylee Tutrow, Indianapolis
Health Information Technology – Indianapolis

A partnership with the Regenstrief Institute, this concentration provides students with an understanding of the components and relationships necessary to create, implement, and use clinical information systems effectively. Through coursework and hands-on experiences, students learn to leverage technology systems in increasingly complex health care systems.

Coursework
Health Informatics Scholarship
Public Health Informatics Scholarship
Fundamentals of Research and Scholarship

Co-Director
Brian E. Dixon, PhD
Research Scientist, Center for Biomedical Informatics and Center for Health Services Research, Director of Public Health Informatics, Regenstrief Institute, Inc.

Staff, Mentors & Instructors
John (JT) Finnell, MD
Professor of Emergency Medicine
Kurt Kroenke, MD
Professor of Medicine
Jess Halterman, BS
Fellowship Coordinator, Center for Biomedical Informatics
Bryan McConomy, MD
Clinical Informatics Fellow, Regenstrief Institute/IUSM
Erick Christensen, MD
Clinical Informatics Fellow, Regenstrief Institute/IUSM

Student Participants
Class of 2024
Jay Chopra, Bloomington
Eashan Kumar, Indianapolis
Kayla Stephenson, Indianapolis

Randall Grout, MD
Assistant Professor of Pediatrics
Josh Vest, PhD
Professor of Health Policy & Management
Suranga Kasthurirathne, PhD
Assistant Professor of Pediatrics
Titus Schleyer, PhD
Professor of Medicine
Shaun Grannis, MD
Professor of Family Medicine
Health Integration and Healthy Aging – Fort Wayne

This concentration is based on health systems science – the “third science” in medicine after basic and clinical sciences. With an emphasis on patient-centered care and the lens of health aging, it focuses on improving outcomes while reducing costs of health care for patients/populations in a community setting.

Coursework
Introduction to Public Health
Health System Integration in the Context of Healthy Aging
Journal Club
Fundamentals of Research and Scholarship

Co-Directors
Robert D. Sweazey, PhD
Assistant Director, IUSM-Fort Wayne
Leslie A. Hoffman, PhD
Assistant Professor of Anatomy, Cell Biology & Physiology

Staff, Mentors & Instructors
Justin Blackburn, PhD
Associate Professor, Health Policy and Management, Health Policy Management PhD Program Director, Richard M. Fairbanks School of Public Health
Scott Myers, MD
Assistant Clinical Professor
Glenda Westmoreland, MD, MPH, AGSF
Director of Geriatrics Education, Department of Medicine
Fen-Li Chang, MD, PhD
Associate Dean and Director, IUSM-Fort Wayne

Student Participants
Class of 2025
Margaret Bielski, Indianapolis
Jason Li, South Bend
Margaret Nickerson, Bloomington
Noah Todd, Fort Wayne

Class of 2024
Michael Weber, Fort Wayne

Fort Wayne Regional Campus Dean and Director
Fen-Li Chang, MD, PhD
Health Promotion and Disease Prevention – Muncie

In this concentration, students learn how to help patients implement evidence-based lifestyle choices leading to better health outcomes. Students work with a team of exercise physiologists, nutritionists, mental/behavioral health counselors, social workers and other health professionals and have access to resources at the Human Performance Laboratory at Ball State University.

Coursework
- Introduction to Public Health or Principles of Lifestyle Therapeutic Approaches
- Lifestyle Medicine
- Fundamentals of Research and Scholarship

Co-Directors
- Larry B. Fromm, PhD
  Adjunct Professor of Biochemistry & Molecular Biology
- Michael D. Litt, PhD
  Adjunct Associate Professor of Medical & Molecular Genetics

Staff, Mentors & Instructors
- Lynn Witty, MD
  Adjunct Clinical Assistant Professor of Medicine
- Derron Bishop, PhD
  Associate Dean and Director, IUSM-Muncie

Muncie Regional Campus Dean and Director
Derron Bishop, PhD

I have had the privilege of working with Scholarly Concentrations students, who always present with inquisitive interest in learning how to break from book knowledge into clinical medical application. My students develop their own research project from a personal interest along with perceived or witnessed patient need. The growth of understanding and knowledge of research tools and concepts is extensive over the completion of their work in our Health Promotion and Disease Prevention Scholarly Concentration in Muncie.

Lynn Witty, MD, Mentor, Scholarly Concentration in Health Promotion and Disease Prevention, Muncie

Student Participants

Class of 2025
- Evan Anders, Bloomington
- Robert Brenner, Muncie
- Avery Dawes, Muncie
- Alexandra Frank, Muncie
- Jacob Kirby, Muncie
- Zachary McLain, Muncie
- Sarah Montgomery, Bloomington
- John Strobel, Muncie

Class of 2024
- Manhalh Bakdash, Muncie
- Mary Ertel, Indianapolis
- Colin Harris, Muncie
- Cameran Jones, Muncie
- Jordan Koczenasz, Muncie
- Catherine Meador, Fort Wayne
- Priya Soni, Soni, Muncie
- Colton Southard-Goebel, Muncie
Human Sexuality and Health – Bloomington

A partnership with the world-renown Kinsey Institute, this concentration helps students understand how various topics related to sex, gender, and sexuality intersect with the practice of medicine. It also provides an opportunity to work with Kinsey researchers.

I think the scholarly concentration will make me a better physician regardless of what field I go into, because I believe the clinical practices we use to improve health care for LGBTQ+ patients can be applied to improve health care for all patients.

I also know that no matter what field I practice in, I will have patients who identify as LGBTQ+, and I want to make it easier for these patients to access health care and feel safe and comfortable doing so.

Tari Kurman, Class of 2024, Scholarly Concentration in Human Sexuality and Health, Bloomington

Coursework
Introduction to Human Sexuality
Critical Issues in Sexuality and Health
Fundamentals of Research and Scholarship

Co-Directors
Charles N. Rudick, PhD
Assistant Director of Medical Education, IUSM-Bloomington and Assistant Dean for Curriculum, Phase 1

Justin R. Garcia, PhD
Executive Director and Senior Scientist, Kinsey Institute, and Ruth N. Halls Endowed Professor of Gender Studies

Jessica Hille, JD, PhD
Assistant Director for Education, Kinsey Institute

Staff, Mentors & Instructors
Greg Carter, PhD, MSN
Assistant Professor, IU School of Nursing

Jacek Kolacz, PhD
Assistant Research Scientist, Kinsey Institute

Virgina Vitzthum, PhD
Senior Scientist, Kinsey Institute

Catherine Sherwood-Laughlin, HSD, MPH,
Clinical Professor, Richard M. Fairbanks School of Public Health

Alison Greene, PhD
Assistant Professor, Richard M. Fairbanks School of Public Health

Zoe Peterson, PhD
Senior Scientist, Kinsey Institute

Student Participants
Class of 2025
Samantha Ake, Bloomington
Evan Barnett, Bloomington
Natalie Myers, Bloomington
Leah Piepert, Fort Wayne
Hannah Witting, Indianapolis

Class of 2024
Victoria Cook, Bloomington
Tari Kurman, Bloomington
Sydney Lovins, Bloomington
Brianna Mahnke, Bloomington
Katherine Trudeau, Bloomington

Bloomington Regional Campus Dean and Director
Katherine M. Hiller, MD, MPH
Medical Education – Bloomington

In this concentration, students learn skills and practices to be effective medical educators and clinical instructors. They examine how to assess teaching effectiveness, student learning and knowledge gains through an introduction to medical education research, methodologies, and scholarship literature.

Coursework
- Pedagogical Methods in the Health Sciences
- Introduction to Clinical Case Study Development for Non-didactic Learning
- Fundamentals of Research and Scholarship

Co-Directors
- Charles N. Rudick, PhD
  Assistant Director of Medical Education, IUSM-Bloomington and Assistant Dean for Curriculum, Phase 1
- Valerie D. O’Loughlin, PhD
  Professor of Anatomy, Cell Biology & Physiology
- Polly R. Husmann, PhD
  Associate Professor of Anatomy, Cell Biology & Physiology

Staff, Mentors & Instructors
- David Rogers, EdD, EMT-P, NRP, FAHA
  Clinical Assistant Professor of Medicine
- Jessica Byram, PhD
  Assistant Professor of Anatomy, Cell Biology & Physiology

Bloomington Regional Campus Dean and Director
Katherine M. Hiller, MD, MPH

Student Participants

Class of 2026
- Elsie Gasaway, Bloomington
- Elizabeth Kerns, Bloomington
- Adrian Morales, Bloomington
- David Randall, Bloomington

Class of 2025
- Maxwell Bohrer, Bloomington

Class of 2024
- Elizabeth Hart, Bloomington
- Emily Merritt, Indianapolis
Medical Humanities – Indianapolis

A collaboration with the Medical Humanities and Health Studies Program in the School of Liberal Arts at IUPUI, this concentration offers an interdisciplinary course of study which provides medical students with qualitative humanistic and socio-cultural perspectives on health care. Students will study more comprehensively, and in-depth, the social, cultural, and humanistic determinants and consequences of health, disease, and healing from literary, historical, and bioethical perspectives.

Coursework

Introduction to Medical Humanities: Perspectives on Health, Disease and Healing
Medicine and the Humanities: Examining the Human Condition
Fundamentals of Research and Scholarship

Staff, Mentors & Instructors

Elizabeth Nelson, PhD
Assistant Professor, Medical Humanities and Health Studies, IU School of Liberal Arts, IUPUI

Paul Helft, MD
Professor of Medicine and Director, Charles Warren Fairbanks Center for Medical Ethics

Peter Schwartz, MD, PhD
Director, IU Center for Bioethics, Associate Professor of Medicine

Richard Gunderman, MD, PhD
Chancellor’s Professor of Radiology, Pediatrics, Medical Education, Philosophy, Liberal Arts, Philanthropy, and Medical Humanities and Health Studies and John A. Campbell Professor of Radiology

Kenzie Mintus, PhD
Associate Professor, Sociology, IU School of Liberal Arts, IUPUI

Diane Prenatt, PhD
Professor of Literature, Marian University

Brandon Brown, MD, MA
Vice-Chair, Radiology and Imaging Sciences, Associate Professor, Radiology, Pediatrics, OB/GYN, Philosophy, Medicine

Colin Halverson, PhD
Assistant Professor, Medicine

Angeline Larimer, MFA, MA
Affiliate Faculty, Medical Humanities and Health Studies, Communication Studies, IU School of Liberal Arts, IUPUI

Katharine Head, JD
Associate Professor, Communication Studies, IU School of Liberal Arts, IUPUI

Co-Directors

Emily S. Beckman, DMH
Director, Assistant Professor, Medical Humanities and Health Studies, IU School of Liberal Arts, IUPUI

Jane A. Hartsock, JD, MA
Director, Clinical and Organizational Ethics, IU Health

Student Participants

Class of 2025
Ashley Egler, Indianapolis
Jordan Finch, Indianapolis
Daniel Martin, Indianapolis
Jesus Olivera, Indianapolis
Gabrielle Omoregie, West Lafayette
Ananya Tadikonda, Indianapolis
Margaret Tharp, Indianapolis
Micah Williams, Indianapolis

Class of 2024
Lynn Alsatie, Muncie
Mary Etling, Indianapolis
Matthew Hodges, Indianapolis
Jenna Jones, Terre Haute
Samira Kouchakzadeh, Evansville
Nicholas O’Connor, Indianapolis
Taruni Pandhiri, Muncie
Samantha Rodrigues, South Bend
Kathryn Sokolowski, Indianapolis
Aish Thamba, Bloomington
Quality and Innovation in Health Care – Evansville

This program trains future clinicians to improve quality, safety, and efficiency in healthcare systems. Scholarly Concentration students are immersed in a hospital, clinic, or health department as they implement and assess practical solutions to real-world problems. By participating in interactive, workshop-style courses alongside various health care professionals, students master widely recognized approaches for continuous improvement and design thinking to improve quality, safety, and efficiency in health systems. Through completion of coursework and a quality improvement project, students can earn Lean Six Sigma Green Belt certification.

Coursework
Introduction to Health Care Innovation and Implementation
Lean Six Sigma for Health Care Professionals
Fundamentals of Research and Scholarship

Co-Directors
Kara Garcia, PhD
Assistant Research Professor of Radiology & Imaging Sciences and Navigator for the Indiana Clinical and Translational Sciences Institute
Arthur L. Chlebowski, PhD
Adjunct Assistant Professor of Family Medicine and Assistant Professor, Department of Engineering, University of Southern Indiana

Evansville Regional Campus Dean and Director
Steven G. Becker, MD

Staff, Mentors & Instructors
Barbara Cash, MHA, CSSMBB
Quality Systems Manager, Deaconess Health System, Adjunct Instructor, IUSM-Evansville
Greg Folz, CCRP
Former Administrative Director, Research Institute of Deaconess Clinic
Mary Ann Shifflett, PhD
Six Sigma Black Belt, Deaconess Health System, Contract Assistant Professor, University of Southern Indiana, Adjunct Instructor, IUSM-Evansville
Tapan Mehta, MD
Physician
Amanda Boehleber, MD
Physician
Kenneth Spear, MD
Health Officer, Vanderburgh County Health Department
Subha Raman, MD
Professor of Cardiology, Chief of Cardiology, Director of the Cardiovascular Institute, and VP for Cardiovascular Services
Majed Koleilat, MD
Physician
William Smith, MD
Physician
Tammy Sajdyk, PhD
Associate Professor of Clinical Pediatrics and Associate Director of the Translational Research Development Program, Indiana CTSI
Susan Ely, PhD
Assistant Professor of Engineering, University of Southern Indiana
Erin Reese, RN
Immunization Nurse, Vanderburgh County Health Department
Jing Su, PhD
Assistant Professor of Biostatistics & Health Data Science
Emily Scott, MD
Associate Professor of Clinical Pediatrics

Student Participants
Class of 2025
Brittany Gass, Evansville
Ryan Heumann, Evansville

Class of 2024
Clark Berry, Evansville
Joseph Davis, Evansville
Ileana Rodriguez, Evansville
Troy Wesson, Evansville
Rural Health – Terre Haute

This concentration offers students an opportunity to learn and engage with rural communities through public health research. Coursework and projects teach students how community and behavior unique to rural populations impact public health issues.

**Coursework**
- Introduction to Public Health
- Introduction to Rural and Agricultural Health
- Rural Health Journal Club
- Fundamentals of Research and Scholarship

**Co-Directors**
- Ellen M. Ireland, PhD, MPH
  Clinical Assistant Professor
- Robin L. Danek, PhD, MPH
  Senior Lecturer

**Terre Haute Regional Campus Dean and Director**
- Taihung (Peter) Duong, PhD

**Staff, Mentors & Instructors**
- Jiali Han, PhD
  Professor, Chair of Epidemiology, Richard M. Fairbanks School of Public Health
- James Wilcox, MD
  Assistant Professor of Clinical Medicine
- Eric Reyes, PhD
  Associate Professor, Rose-Hulman Institute of Technology

**Student Participants**

**Class of 2025**
- Kameron Bell, Terre Haute
- Evan Curl, Bloomington
- Chase Salmon, Terre Haute

**Class of 2024**
- Morgan Black, Terre Haute
- Zoe Burrow, Terre Haute
- Benjamin Herman, Terre Haute
- Katelyn Lawson, Terre Haute
- Brent McCready, Northwest-Gary
- Kathryn Smeltzer, Terre Haute
- Mason Tollar, Terre Haute
- Madelynne Wright, Terre Haute

I think the scholarly concentration experience provides students with more confidence in their ability to create and lead research projects in the future. Students in our concentration come in with a wide range of prior research experience, but our projects really give them the start-to-finish practice on design and execution of multiple stages of a research study.

*Ellen Ireland, PhD, Co-Director, Scholarly Concentration in Rural Health, Terre Haute*
Urban Medicine and Health Care Disparities – Northwest-Gary

This concentration provides students with an understanding of the historical and contemporary barriers that exist for the nation’s medically underserved in urban areas. Students will investigate authentic cross-cultural and linguistic issues in health care and be able to demonstrate how sensitivity to such issues improves health care for all. Through scholarly project work, students will act as advocates by developing interventions to address or reduce health disparities.

Coursework
Introduction to Public Health
Healthcare Disparities in an Urban Setting
Fundamentals of Research and Scholarship

Staff, Mentors & Instructors
Roland Walker, MD
Commissioner, Gary Health Department, Assistant Professor of Pediatrics
Michael McGee, MD
Assistant Professor of Emergency Medicine
Kobie Douglas, MD
Assistant Professor of Psychiatry and Program Director, IUSM-Northwest-Gary Psychiatry Residency, Medical Director, Regional Health Systems
Andrea DeLeo, MSE, DO
Assistant Professor of Neurology
Larry Salberg, MD
Professor of Neurology, Neurology Site Leader, IUSM-Northwest-Gary
Anthony Gentile, MD
Assistant Professor of Obstetrics and Gynecology
Ramana Yedavalli, MD
Assistant Professor of Interventional Radiology
William Forgey, MD
Assistant Professor of Family Medicine
Samer Abbas, MD
Assistant Professor of Cardiology
Amie Hajrasouliha, MD
Glick Eye Institute
Tatiana Kostrimanova, PhD
Professor of Histology
Sulman Hussain, DO
Assistant Professor of Cardiology
Swapna Dave, MPH, MBBS
Research Project Manager, Northwestern University
Victor Garcia
Foodbank of Northwest Indiana
Reuben Rutland, MD
Assistant Professor of Surgery
Jason Zaideman
Operation Combat Bike Saver
Silvia Bigatti, PhD
Professor, Richard M. Fairbanks School of Public Health
Samer Ajam, MD
Assistant Professor of Cardiology
Jonathan Guerrero, Pharm D, BCPs
Assistant Professor of Clinical Pharmacology and Toxicology

Participating in the Urban Medicine and Health Care Disparities Scholarly Concentration has helped develop my independent research skills and has vastly expanded my knowledge of public health and patient-centered, community-based health initiatives. As an aspiring emergency medicine physician, these areas of knowledge are critical as emergency departments often serve the primary care needs of underserved communities.

Maryam Sabir, Class of 2024, Scholarly Concentration in Urban Medicine and Health Care Disparities, Northwest-Gary

(continued on next page)


**Student Participants**

**Class of 2026**
Basem Al-tarshan, Northwest-Gary
Brianna Chandler, Northwest-Gary
Kyra Colston, Northwest-Gary
Kelly DeMichael, Northwest-Gary
Wael Gad, Northwest-Gary
Eric Gonsiorowski, Northwest-Gary
Brendan Jones, Northwest-Gary
Miatta Ndama, Northwest-Gary
Pooja Patel, Northwest-Gary
Luka Peterson, Northwest-Gary
Michael Yallourakis, Northwest-Gary
William Zhang, Northwest-Gary

**Class of 2025**
Nicholas Crowe, Northwest-Gary
Will Hutwagner, Northwest-Gary

**Class of 2024**
Mohamed Aldallal, Northwest-Gary
Yazan Al-Tarshan, Northwest-Gary
Daniel Green, Northwest-Gary
Alanna Hooper, Northwest-Gary
Hunter McCollum, Northwest-Gary
Sean O’Brien, Northwest-Gary
Chinade Roper, Northwest-Gary
Maryam Sabir, Northwest-Gary
Business of Medicine

A partnership with IU’s Kelley School of Business, this concentration prepares future physicians to apply the fundamentals of business in clinical environments. Merging evidence-based management with evidence-based medicine, students learn how to improve medical outcomes, reduce costs, and lift staff morale.

Coursework
Value Creation and Financial Performance in Health Care Systems
Business Management of the Patient Experience
Fundamentals of Research and Scholarship

Co-Directors
Gregory L. Katzman, MD, MBA
Service Chief, Radiology, Richard L. Roudebush VA Hospital, Professor of Radiology & Imaging Sciences
Kyle J. Anderson, PhD
Clinical Assistant Professor, IU Kelley School of Business
M. Kim Saxton, PhD, MBA
Clinical Professor of Marketing, IU Kelley School of Business

Staff, Mentors & Instructors
Todd Saxton, PhD
Associate Professor of Strategy and Entrepreneurship and Kelley Venture Fellow, IU Kelley School of Business

The Business of Medicine students share that they have more successful residency interviews because they have practical and actionable content to talk about. This experience differentiates them from their peers. They gain insights about how to develop a more patient-centered approach when evaluating the delivery of healthcare. They feel these learnings will help them deliver better quality care to patients.

M. Kim Saxton, PhD, Co-Director, Scholarly Concentration in Business of Medicine, Statewide

Student Participants

Class of 2025
Iyad Ali, Northwest-Gary
Sunjay Anekal, Bloomington
Jonathan Arnold, Indianapolis
Abigail Beard, Indianapolis
Aditya Belamkar, Indianapolis
Keyshla Chacon Nieves, Evansville
Cameron Edwards, Indianapolis
Kathleen Ho, Indianapolis
Natalie Jacobson, Indianapolis
Nicole Jansen, Indianapolis
Rigel Jaquish, Indianapolis
Alexander Johnson, Bloomington
Niloy Lahiri, Indianapolis
Brianna Lawrence, Bloomington
Brayan Marino Capristan, Bloomington

Cameron McClaine, Bloomington
Thomas Murphy, Bloomington
Laetitia Nkubet, Indianapolis
Oseme Okoruwa, Evansville
Bhavesh Patel, Indianapolis
Osama Saadoon, Muncie
Jack Sansone, Indianapolis
Luke Swartz, Terre Haute
Omkar Tamhankar, Northwest-Gary
Natalie Vellutini, Northwest-Gary
Youngjun Woo, Indianapolis
Gloria Xue, Northwest-Gary

Class of 2024
Nathaniel Banet, Indianapolis
Albert Brougham, Northwest-Gary
Kyle Burton, Terre Haute
Alexander Daugherty, Indianapolis
Frank Dijak, Indianapolis
Matthias Ebeyer, Bloomington
Jackson Griffith-Linsley, Indianapolis
Bryan Ko, Bloomington
Sai Kodukula, Northwest-Gary
Paul Muldoon, Indianapolis
Austin Natalie, Bloomington
Bhumi Patel, Bloomington
Charles Price, Indianapolis
Juan Sanchez Castro, Indianapolis
Joshua Thomson, Indianapolis
Amna Yaqub, Indianapolis
Public Health
A partnership with the Richard M. Fairbanks School of Public Health at IUPUI, this concentration provides foundational knowledge in public health including an understanding of the U.S. health system; trends impacting public health; and evidence-based interventions, among other topics.

Coursework
Introduction to Public Health
Population Health for Clinicians
Fundamentals of Research and Scholarship

Co-Directors
Paul K. Halverson, DrPH, FACHE
Founding Dean, Richard M. Fairbanks School of Public Health

Amanda D. Benadaret, MD, MPH
Associate Professor of Clinical Pediatrics

William Tierney, MD
Associate Dean of Population Health and Health Outcomes, Richard M. Fairbanks School of Public Health

Jordan A. Holmes, MD
Assistant Professor of Radiation Oncology

Staff, Mentors & Instructors
Jeffrey Peipert, MD, PhD
Chair, Department of Obstetrics & Gynecology

Sherri Bucher, PhD
Associate Professor of Pediatrics, Investigator, Global Network for Women’s and Children’s Research, USAID-AMPATH

Sara Wiehe, MD, PhD
Associate Dean for Community and Translational Research

Sarah Stelzner, MD
Assistant Professor of Clinical Pediatrics

Christopher Callahan, MD
Professor of Medicine, Investigator, Center for Aging Research, Regenstrief Institute, Inc. and Director, Sandra Eskenazi Center for Brain Care Innovation

Megan McHenry, MD
Assistant Professor of Pediatrics

Caitlin Bernard, MD
Assistant Professor of Clinical Obstetrics & Gynecology

Heidi Beidinger-Bernet, PhD
Assistant Professor, Eck Institute of Global Health at University of Notre Dame and Campus Liaison for the Indiana Clinical and Translational Sciences Institute

Ruben Hernandez, MD
Assistant Professor of Clinical Family Medicine

Chi Wah “Rudy” Yung, MD
Professor Emeritus of Ophthalmology

Sylk Sotto, EdD, MBA, MPS
Vice Chair for Faculty Affairs, Development and Diversity and Assistant Professor of Medicine

Emily Cha, MD
Assistant Professor of Clinical Orthopaedic Surgery

Brian Gray, MD
Assistant Professor of Surgery

Olena Mazurenko, MD, PhD
Associate Professor, Richard M. Fairbanks School of Public Health

Bob Einterz, MD
Emeritus Professor, Founding Director, IU Center for Global Health, Donald E. Brown Professor for Global Health, Associate Dean for Global Health, St. Joseph County Health Department

Sally Dixon
Fetal Infant Mortality Review Program Coordinator, HOPE, St. Joseph County Health Department

Kurt Kroenke, MD, MACP
Chancellor’s Professor, IUPUI

Tammy Toscus, PhD
Adjunct Assistant Professor, Health Informatics

Jill Connors, PhD
Assistant Research Professor of Surgery

Kathryn Haider, MD
Associate Professor of Clinical Ophthalmology and Director of Clinical Research

Tami Hannon, MD
Professor of Pediatrics and Professor of Medical & Molecular Genetics

Jim Lemons, MD
Professor of Clinical Pediatrics

Matt Turissini, MD
Assistant Professor of Clinical Medicine

Kara Garcia, PhD
Assistant Research Professor of Radiology & Imaging Sciences and Navigator for the Indiana Clinical and Translational Sciences Institute

(continued on next page)
Public Health, continued

Staff, Mentors & Instructors

Linda Williams, MD
Professor of Neurology

Dustin Nowaskie, MD
Assistant Professor of Psychiatry and Behavioral Sciences at Keck School of Medicine, University of Southern California

Gregory Westin, MD
Assistant Professor of Surgery

Carl Pafford, MD
Assistant Professor of Clinical Emergency Medicine

Lauren Bell, MD, MPH
PGY6 Resident in Pediatrics

Seethal Jacob, MD, MS
Assistant Professor of Pediatrics

Benjamin Nti, MD
Assistant Professor of Emergency Medicine

Adam Eckred, PhD
Associate Professor, O’Neill School of Public and Environmental Affairs

Sara Naramore, MD
Assistant Professor of Clinical Pediatrics

Phil DeCicca, PhD
Professor of Health Economics, Ball State University

Don Sanders, MD
Associate Professor of Pediatrics

Dennis Savaiano, PhD
Professor of Nutrition Science, Purdue University

Kathi Ridley-Merriweather, MS
Doctoral Candidate, IU Health Simon Comprehensive Cancer Center

Syril Keena Que, MD
Assistant Professor of Clinical Dermatology

Titus Schleyer, DMD, PhD
Professor of Medicine

Nadia Needleman, MS
Program Coordinator, Center for Health Policy, Richard M. Fairbanks School of Public Health

Student Participants

Class of 2025

Hannah Eikelberg, Muncie
Maria Fernandez Olivera, Muncie
Jayla French, Indianapolis
Nicole Frey, Indianapolis
Samuel Gutierrez, Indianapolis
Madeline Hathoot, Indianapolis
Madelyn Hartman, Indianapolis
Beau Mansker, Indianapolis
Josey Noel, Indianapolis
Victor Olafusi, Indianapolis
Michael Partridge, Muncie
Payal Patel, Indianapolis
Neal Vandevert, Terre Haute
Katherine Vogel, Indianapolis

Hallie Waters, Bloomington
Jennifer Watters, Indianapolis
Klaudia Wojciechowska, West Lafayette

Class of 2024

Doriann Alcaide, Indianapolis
Cassandra Anderson, Fort Wayne
Joseph Ballard, Indianapolis
Zane Duke, Indianapolis
April Gettelfinger, Terre Haute
Shukurat Giwa, Fort Wayne
Ayesha Kahn, Fort Wayne
Nida Kahn, Indianapolis
Carsyn Kranz, Fort Wayne

Taylor Luster, Indianapolis
Abhipri Mishra, Evansville
Amira Nafiseh, Indianapolis
Sophia Pardo, Indianapolis
Neal Patel, Indianapolis
Victoria Rone, Evansville
Courtney Seigel, Indianapolis
Lucas Turner, Evansville
Kaitlin Wendel, Indianapolis
Collin Wilkins, Indianapolis

Class of 2026

(leave of absence, graduate study)

Luke Brennan, Indianapolis
Alexa Petrucciani, Indianapolis
Religion and Spirituality in Medicine

In this concentration, students are introduced to major spiritual traditions and how they interact with spiritual concepts in health. A diversity of religious traditions, as well as non-religious spiritual traditions are covered. Course sessions will be led by a spiritually diverse faculty, with discussion of spiritual traditions preferentially led by leaders within those traditions.

Coursework
Survey of Spiritual Traditions and Concepts in Health
Survey of Spiritual Care Practice and the Research of Spirit
Religion and Spirituality in Medicine Journal Club
Fundamentals of Research and Scholarship

Co-Directors
Alex Lion, DO
Assistant Professor of Clinical Pediatrics
Mona A. Raed, MD
Assistant Professor of Clinical Pediatrics

Staff, Mentors & Instructors
Ann Cottingham, MA
Director, Research in Health Professions Practice and Education, Center for Health Services Research, Regenstrief Institute
Rober Saler, PhD
Research Professor in Religion and Culture, Christian Theological Seminar Faculty from Evans Center
Eric Reyes, PhD
Associate Professor, Rose-Hulman Institute of Technology

Student Participants
Class of 2025
Leah Bode, Indianapolis
Justin Davis, Bloomington

Class of 2024
Nirupama Devanathan, Indianapolis
Evin George, Evansville
Anthony Williams, Bloomington
Inez Yu, Bloomington

My favorite part of the Scholarly Concentrations Program has been the project that I’ve gotten to work on. It’s allowed me to really dive deeply into issues with cancer care that are faced by a broad range of people, whether it’s people in rural areas or just people in general.

Joe Riggs, Class of 2023, Scholarly Concentration in Rural Health, Terre Haute
**Scholarly Concentrations Program Scholarship**

The IUSM Scholarly Concentrations Program encourages student scholarly work and is also a vehicle for scholarship. Here are scholarly accomplishments since the program began in 2019.

<table>
<thead>
<tr>
<th>Publication</th>
<th>2022 AAMC Central Group on Educational Affairs Poster Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Promoting Regional Campus Excellence:</strong> The Scholarly Concentrations Program at Indiana University School of Medicine</td>
<td>Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine</td>
</tr>
<tr>
<td>Authors: Paul M. Wallach, MD; Deborah R. Birnbaum, MBA; Bradley L. Allen, MD, PhD; Daniel R. Corson-Knowles, MD; Elizabeth R. Ryan, EdD; Jay L. Hess, MD, PhD, MHSA</td>
<td>Authors: Deborah R. Birnbaum, MBA; Paul M. Wallach, MD; Michelle Rojas, MS.</td>
</tr>
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<tr>
<th>2022 AAMC Regional Medical Campus Conference Oral Presentation</th>
<th>2022 IU School of Medicine Education Day Poster Presentation: Scholarly Concentrations Program: A PRIME Approach to Addressing Care for the Medically Underserved and Vulnerable Populations</th>
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<tr>
<td>Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine</td>
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</tr>
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<tr>
<th>2020 AAMC Regional Medical Campus Conference Oral Presentation</th>
<th>2021 IU School of Medicine Education Day Workshop: Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine</td>
<td>Authors: Deborah R. Birnbaum, MBA; Michelle Rojas, MS; Lauren Henninger, MA, Courtney Lewellen, MS.</td>
</tr>
<tr>
<td>Authors: Deborah R. Birnbaum, MBA; Elizabeth Ryan, EdD; Paul M. Wallach, MD.</td>
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<tr>
<th>2019 AMA Change MedEd Conference Oral Presentation</th>
<th>2020 IU School of Medicine Education Day Oral Presentation: Regional Medical Campuses: Leveraging Our Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarly Concentrations: A Novel Platform for Delivery of Health Systems Science Exposure and Highlight Unique Learning Environments Across the Nine Campuses of Indiana University School of Medicine</td>
<td>Authors: Deborah R. Birnbaum, MD; Emily Walvoord, MD; Elizabeth R. Ryan EdD.</td>
</tr>
<tr>
<td>Authors: Bradley L. Allen, MD, PhD; Maureen A. Harrington, PhD; Jean Mensz, MD; Daniel Corson-Knowles, MD; Deborah R. Birnbaum, MBA; Paul M Wallach, MD.</td>
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<tr>
<th>2022 Assessment Institute Poster Presentation</th>
<th>2020 IU School of Medicine Education Day Poster Presentation: Scholarly Concentrations: A Novel Platform for Delivery of Health Systems Science Exposure and Highlight Unique Learning Environments Across the Nine Campuses of Indiana University School of Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessing a Longitudinal Educational Experience for Continuous Quality Improvement</td>
<td>Authors: Bradley L. Allen, MD, PhD; Deborah R. Birnbaum, MBA; Daniel R. Corson-Knowles, MD; Maureen A. Harrington, PhD; MD; Paul M. Wallach, MD.</td>
</tr>
<tr>
<td>Authors: Deborah R. Birnbaum, MBA; Anthony Masseria, MEd; Sarah Walsh, MPH; Michelle Rojas, MS.</td>
<td></td>
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<tr>
<th>2022 IU School of Medicine Education Day Workshop: Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs</th>
<th>Poster Presentation: The IUSM Scholarly Concentrations Program: Strategic Collaborative Education Across Schools and Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop: Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs</td>
<td>Authors: Deborah R. Birnbaum, MBA; Daniel R. Corson-Knowles, MD; Michelle Rojas; Paul M. Wallach, MD.</td>
</tr>
<tr>
<td>Authors: Deborah R. Birnbaum, MBA; Kathy Lee, BS</td>
<td></td>
</tr>
</tbody>
</table>
Scholarly Concentrations Program Team

Program Director: Deb Birnbaum, MBA
Program Coordinator: Michelle Marie Polanco, BA
Executive Associate Dean of Educational Affairs and Program Champion: Paul Wallach, MD

Scholarly Concentrations Program Ad-Hoc Committee

Bradley L. Allen, MD, PhD
Senior Associate Dean for Medical Education
Fen-Li Chang, MD, PhD
Associate Dean and Director, IUSM-Fort Wayne
Peter Duong, PhD
Associate Dean and Director, IUSM-Terre Haute
Laura Hinkle, MD
Assistant Professor of Clinical Medicine
Caitlyn Mulcahey
3rd year Medical Student
Harish Rao, MD
Assistant Professor of Clinical Pediatrics
Amees Sangani
3rd year Medical Student

Scholarly Concentrations Program Operations Team

Deb Birnbaum, MBA
Scholarly Concentrations Program Director
Troy Felton
Senior Software Engineer
Scott Hemmerlein
Manager of Application Integration, Web and Business Intelligence
Michelle Marie Polanco, BA
Scholarly Concentrations Program Coordinator
Lorie Shuck, MS
Director of Education Technology
Doug Walters
Senior Analyst/Programmer
Amanda Ybarra, MA
Registrar

Scholarly Concentrations Evaluation and Assessment Team

Bradley L. Allen, MD, PhD
Senior Associate Dean for Medical Education
Deb Birnbaum, MBA
Scholarly Concentrations Program Director
Anthony Masseria, MSEd
Evaluation Program Manager
Michelle Marie Polanco, BA
Scholarly Concentrations Program Coordinator
Sarah Walsh, MPH
Assessment and Evaluation Specialist

Roles and Responsibilities

Executive Associate Dean: Vision and leadership; review and approve topics; partnerships
Curriculum Council Steering Committee: Curricular leadership; review and approve proposals
Scholarly Concentrations Program Ad-Hoc Committee: Review and recommend for approval to Steering Committee
Program Director: Ongoing direction, program and systems development, implementation
Program Coordinator: Handles various aspects of program operations and data management
Associate Dean and Director of Regional Campus: Campus champion, responsible for overall campus success
Scholarly Concentration Co-Director: Develop and manage concentration, curriculum, scholarly projects; Student success
Scholarly Concentration Project Mentor: Guide students through scholarly project, manuscript, poster
Course Director: Development of course syllabus, course content, assessment
Liaison Librarian: Support students and educators with library resources
Lead Advisor: Student academic advising; partner with co-directors when needed