



SCHOLARLY CONCENTRATIONS PROGRAM ANNUAL REPORT 2022 – 2023

INDIANA UNIVERSITY SCHOOL OF MEDICINE



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



- BLOOMINGTON**
- Human Sexuality and Health
 - Kinsey Institute
 - Medical Education



- EVANSVILLE**
- Quality and Innovation in Health Care
 - local health care systems



- FORT WAYNE**
- Health Integration and Healthy Aging
 - regional health care systems



- INDIANAPOLIS**
- Biomedical Research
 - Genetics in Medicine
 - Health Information Technology
 - Regenstrief Institute
 - Medical Humanities
 - Medical Humanities and Health Studies, School of Liberal Arts
- MUNCIE**
- Health Promotion and Disease Prevention
 - BSU Clinical Exercise Physiology Program



- NORTHWEST GARY**
- Urban Medicine and Health Care Disparities
 - community partners



- SOUTH BEND**
- Ethics, Equity and Justice
 - University of Notre Dame



- TERRE HAUTE**
- Rural Health
 - rural health systems



- WEST LAFAYETTE**
- Biomedical Engineering and Applied Medical Technology
 - Purdue Weldon School of Biomedical Engineering
 - Care of Hispanic/Latino Patients



- STATEWIDE***
- Business of Medicine
 - Kelley School of Business
 - Public Health
 - Fairbanks School of Public Health
 - Religion and Spirituality in Medicine

*Based in Indianapolis but available from any campus



INDIANA UNIVERSITY SCHOOL OF MEDICINE

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 OVERVIEW

Scholarly Concentrations Program Enrollment as of December 31, 2022

| Campus | Scholarly Concentration | Launch | Enrollment |
|----------------|---|--------|------------|
| Bloomington | Human Sexuality and Health | 2020 | 14 |
| | Medical Education | 2021 | 7 |
| Evansville | Quality and Innovation in Health Care | 2019 | 13 |
| Fort Wayne | Health Integration and Healthy Aging | 2019 | 7 |
| Muncie | Health Promotion and Disease Prevention | 2019 | 18 |
| Northwest-Gary | Urban Medicine and Health Care Disparities | 2019 | 27 |
| South Bend | Ethics, Equity and Justice | 2019 | 29 |
| Terre Haute | Rural Health | 2019 | 15 |
| West Lafayette | Biomedical Engineering and Applied Medical Technology | 2020 | 29 |
| | Care of Hispanic/Latino Patients | 2019 | 20 |
| Indianapolis | Biomedical Research | 2021 | 22 |
| | Genetics in Medicine | 2019 | 16 |
| | Health Information Technology | 2019 | 4 |
| | Medical Humanities | 2020 | 23 |
| Statewide | Business of Medicine | 2019 | 62 |
| | Public Health | 2019 | 54 |
| | Religion and Spirituality in Medicine | 2020 | 6 |
| TOTAL | | | 366 |

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.
- 4 Support student scholarship.
- 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.

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.

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

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.



GRADUATE SPOTLIGHTS

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



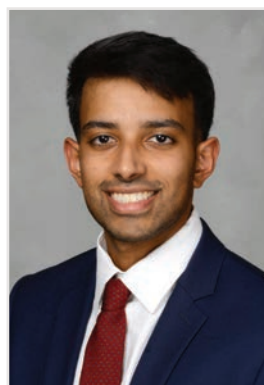
Christopher Arnold

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



Conor Cunningham

Campus: Indianapolis

Project: Gennesaret Free Clinics
Patient Satisfaction

Mentor: M. Kim Saxton, MBA, PhD



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



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



John Petroskey

Campus: Indianapolis



Emily Ritsema

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



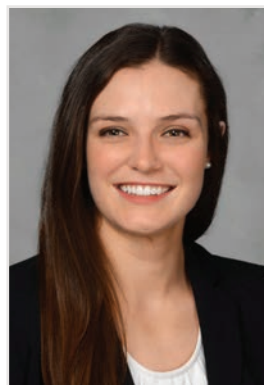
Christian Arce Guzman

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

ETHICS, EQUITY AND JUSTICE



Daniel Armounfelder

Campus: South Bend

Project: Analyzing the Efficacy of a Housing First Program in South Bend, Indiana

Mentor: David Lassen, PhD

Residency: Family Medicine, Memorial Hospital of South Bend



Alexis George

Campus: South Bend

Project: Jimmy's Journey

Mentors: Nicole Shirilla, MD; Margaret Mohrmann, MD

Residency: Pediatrics, Spectrum Health/Michigan State University

GENETICS IN MEDICINE



Vijai Kumar Dorairaj Dharla Jr.

Campus: Indianapolis

Project: : Guilty as CHARGEd: A Case Report of an Alternative Molecular Culprit for CHARGE Syndrome

Mentor: Theodore E. Wilson, MD

Residency: Psychiatry, Community Health Network

HEALTH INFORMATION TECHNOLOGY



Fahad Hasnain

Campus: Indianapolis

Project: Treatment of Post-Tonsillectomy Hemorrhage with Nebulized Tranexamic Acid: A Retrospective Study

Mentor: Brian Dixon, PhD

Residency: Otolaryngology, Wayne State University School of Medicine Program

HEALTH INTEGRATION AND HEALTHY AGING



Cade Plyer

Campus: Fort Wayne

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



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



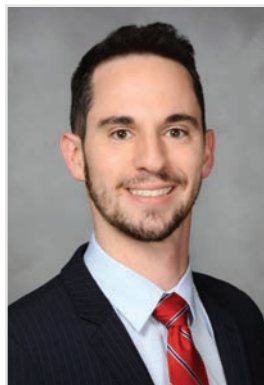
Keeley Newsom*

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



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

MEDICAL HUMANITIES

**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

**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

**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.

**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

**Anna Purk**

Campus: Indianapolis

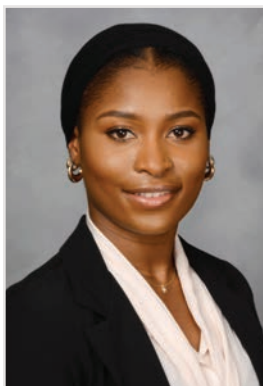
Project: Moral Distress in NICU and PICU Physicians While Caring for Children Born Extremely Premature

Mentor: Jane Hartsock, JD, MA

Residency: Pediatrics, Indiana University School of Medicine

**See page 17 for Products Published or Accepted*

PUBLIC HEALTH



Kazeerat Adedokun

Campus: Indianapolis

Project: Assessing the Association Between Well Child Healthcare Utilization and the Likelihood of Hospitalization in Children with Autism Spectrum Disorder

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

PUBLIC HEALTH, CONTINUED

**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*

GRADUATE SPOTLIGHTS



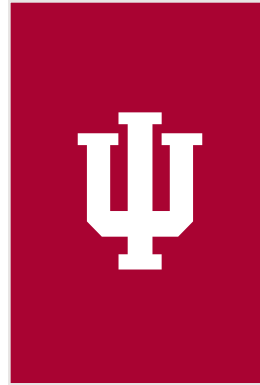
Melanie Scheive*

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



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



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



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

RURAL HEALTH



Sarah Hopfer

Campus: Terre Haute

Project: Sampling Attitudes About Carbon Monoxide Safety in Rural Indiana

Mentor: Robin Danek, PhD

Residency: Emergency Medicine, Mayo Clinic College of Medicine and Science



Olivia Neese

Campus: Terre Haute



Rachel Nettleton

Campus: Terre Haute

Project: Knowledge of Current Exercise Guidelines and Perceived Utilization in Rural Indiana

Mentor: Robin Danek, PhD



Joseph Riggs

Campus: Terre Haute

Project: Disparities in Delivery of Cancer Care for Patients with Melanoma Brain Metastases. A Simple Case of Rurality?

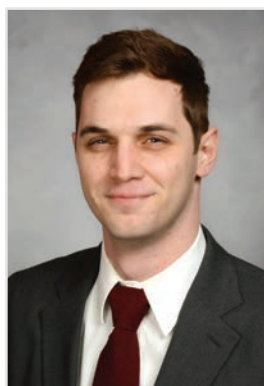
Mentors: Jiali Han, PhD; Fred C. Lam, MD, PhD

Residency: Pediatrics, Children's Mercy Hospital

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

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

Lucy Brown: Carter G, Brown L, Mahnke B, Ohmit A, Woodward B., Sexual Communication Self-Efficacy and PrEP Literacy Helps to Meet HIV Prevention Outcomes Among Black and Latinx Individuals. J Prim Care Community Health. 2022 Jan-Dec; 13:21501319221099789. doi: 10.1177/21501319221099789. PMID: 35578769; PMCID: PMC9118410.

Brown L, Swiezy S, McKinzie A, Komanapalli S, Bernard C. Evaluation of family planning and abortion education in preclinical curriculum at a large midwestern medical school. Heliyon. 2022 Jul 9;8(7):e09894. doi: 10.1016/j.heliyon.2022.e09894. PMID: 35847608; PMCID: PMC9283882.

Keely Newsom: Keeley D. Newsom, Gregory A. Carter, and Jessica J. Hille. Assessing Whether Medical Students Consistently Ask Patients About Sexual Orientation and Gender Identity as a Function of Year in Training. LGBT Health 2022 9:2, 142-147; doi: 10.1089/lgbt.2021.0109

Newsom KD, Riddle MJ, Carter GA, Hille JJ. They “Don’t Know How to Deal with People Like Me”: Assessing Health Care Experiences of Gender Minorities in Indiana. Transgend Health. 2022 Oct 7;7(5):453-460. doi: 10.1089/trgh.2021.0027. PMID: 36644487; PMCID: PMC9829144.

Michael Riddle: Newsom KD, Riddle MJ, Carter GA, Hille JJ. They “Don’t Know How to Deal with People Like Me”: Assessing Health Care Experiences of Gender Minorities in Indiana. Transgend Health. 2022 Oct 7;7(5):453-460. doi: 10.1089/trgh.2021.0027. PMID: 36644487; PMCID: PMC9829144.

MEDICAL HUMANITIES

Autumn Bieber: Bieber, Autumn, Prenatt, Diane. The Happy Doctor and his Patients: Erotic Postcards of a Physician, Nursing Clio. Accepted; awaiting publication.

PUBLIC HEALTH

Madeline Evans: Brennan L, Evans M, Michaeli G, Pandita P, Patel S, Powell K, Putnam-Johnson H, Chong A, Stelzner S, Casavan K. Completion of Social Drivers of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative. J Dev Behav Pediatr. 2022 Oct-Nov 01;43(8):472-479. doi: 10.1097/DBP.0000000000001114. Epub 2022 Aug 22. PMID: 35994262.

Yi Yan Heng: Heng YY, Nafiseh A, Oyungu E, Ombitsa AR, Cherop C, McHenry MS. ‘I bring her up with love.’ Perspectives of caregivers of children with neurodevelopmental delays in western Kenya. Child Care Health Dev. 2023 Jan;49(1):201-209. doi: 10.1111/cch.13033. Epub 2022 Jul 20. PMID: 35817560.

Sarah Komanapalli: Brown L, Swiezy S, McKinzie A, Komanapalli S, Bernard C. Evaluation of family planning and abortion education in preclinical curriculum at a large midwestern medical school. Heliyon. 2022 Jul 9;8(7):e09894. doi: 10.1016/j.heliyon.2022.e09894. PMID: 35847608; PMCID: PMC9283882.

Brian Niebuhr: Niebuhr BP, Whiteside JA. Practical Considerations for Mass SARS-CoV-2 Pandemic Vaccination: A Narrative Review. Insight. 2021;4(1):13-16. https://journals.iupui.edu/index.php/insight/article/view/25955/24062

Whiteside JA, Niebuhr BP. Learning by Doing: Local Stories from SARS-CoV-2 Vaccination Planning. Insight. 2021;4(1):07-10. https://journals.iupui.edu/index.php/insight/article/view/25953/24060

Shraya Patel: Brennan L, Evans M, Michaeli G, Pandita P, Patel S, Powell K, Putnam-Johnson H, Chong A, Stelzner S, Casavan K. Completion of Social Drivers of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative. J Dev Behav Pediatr. 2022 Oct-Nov 01;43(8):472-479. doi: 10.1097/DBP.0000000000001114. Epub 2022 Aug 22. PMID: 35994262.

Melanie Scheive: Scheive M, Rowe LW, Tso HL, Wurster P, Kalafatis NE, Camp DA, Yung CWR. Assessment of patient follow-up from student-run free eye clinic to county ophthalmology clinic. Sci Rep. 2022 Jan 19;12(1):979. doi: 10.1038/s41598-022-05033-0. PMID: 35046498; PMCID: PMC8770480.

Jake Whiteside: Whiteside JA, Niebuhr BP. Learning by Doing: Local Stories from SARS-CoV-2 Vaccination Planning. Insight. 2021;4(1):07-10. https://journals.iupui.edu/index.php/insight/article/view/25953/24060

Niebuhr BP, Whiteside JA. Practical Considerations for Mass SARS-CoV-2 Pandemic Vaccination: A Narrative Review. Insight. 2021;4(1):13-16. https://journals.iupui.edu/index.php/insight/article/view/25955/24062

URBAN MEDICINE AND HEALTH CARE DISPARITIES

William Dyer: Stewart CC, Muvuka B, Hutwagner W, McCollum H, Dyer WK, Ryan ER. “Vets Restoring Vets”: A Community Based Participatory Assessment of Operation Charlie Bravo’s Innovative Veteran-Led Peer Support Program. J Reg Med Campuses. Accepted; awaiting publication.

Deeb Omari: Aldallal MS, Omari D, Muvuka B, Ryan ER. The Impacts of the COVID-19 Pandemic on Youth Violence: Insights from Professional Key Informants. J Reg Med Campuses. Accepted; awaiting publication.

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.

Coursework

Introduction to Biomedical Engineering and Translation of Medical Technologies
Introduction to Customer Discovery
Fundamentals of Research and Scholarship

Co-Directors

Ray Munguia-Vazquez, MD, PhD
Adjunct Clinical Assistant Professor of Otolaryngology-Head & Neck Surgery

Andrew O. Brightman, PhD
Professor of Engineering Practice, Weldon School of Biomedical Engineering, Purdue University

Craig Goergen, PhD
Leslie A. Geddes Associate Professor of Biomedical Engineering, Weldon School of Biomedical Engineering, Purdue University

Aaron Lottes, PhD
Associate Professor of Engineering Practice, Weldon School of Biomedical Engineering, Purdue University

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

Staff, Mentors & Instructors

Doug Brubaker, PhD
Assistant Professor of Biomedical Engineering, Purdue University

Deva Chan, PhD
Assistant Professor Biomedical Engineering, Purdue University

Graham Cooks, PhD
Henry B. Hass Distinguished Professor – Analytical Chemistry

Maria Dardalat, PhD
Assistant Professor of Biomedical Engineering, Purdue University

Melissa Kacena, PhD
Professor, Vice Chair for Research, Department of Orthopaedic Surgery

Chi Hwan Lee, PhD
Associate Professor of Biomedical Engineering and Mechanical Engineering, Purdue University

Jacqueline Linnes, PhD
Marta E Gross Assistant Professor, Biomedical Engineering, Purdue University

Diane Little, BVSc, MSpVM, PhD
Associate Professor, Department of Basic Medical Sciences, Purdue University

Matt Lynall

Clinical Professor and Director, Purdue NSF I-Corps Site and Midwest I-Corps Node, Krannert School of Management, Purdue University

Georgia Malandraki, PhD

Associate Professor of Speech, Language, and Hearing Sciences, Purdue University

Anne Sereno, PhD

Professor of Psychological Sciences and Biomedical Engineering

Riyi Shi, PhD

Mari Hulman George Endowed Professor of Applied Neuroscience; Director, Center for Paralysis Research, College of Veterinary Medicine, Professor of Basic Medical Science, Purdue University

Luis Solorio, PhD

Assistant Professor of Biomedical Engineering, Purdue University

Matthew Ward, PhD

Assistant Professor of Biomedical Engineering, Purdue University

Jayne R. Rayman

Outreach and Communications Specialist, IUSM-West Lafayette

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

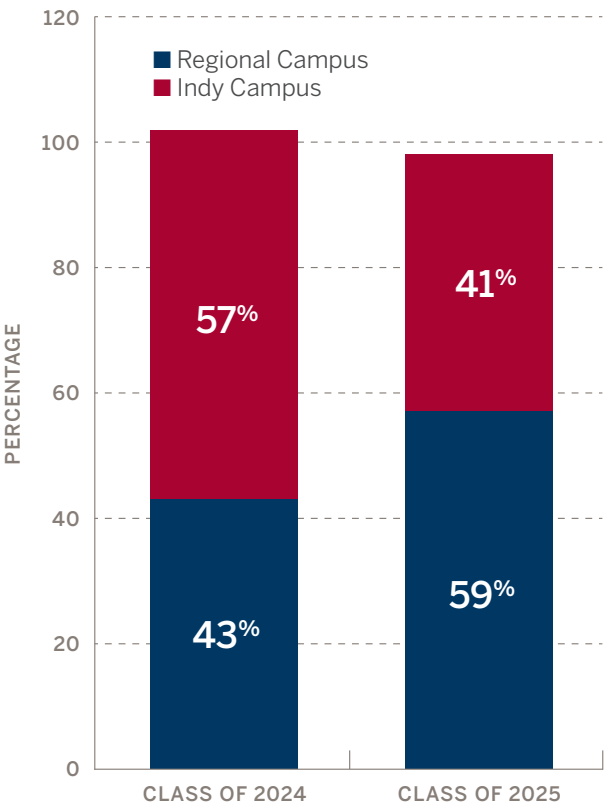
Evan Anderson, West Lafayette
Christopher Dalloul, Terre Haute
Aditya Desai, West Lafayette
Maria Feucht, Indianapolis
Sunland Gong, Terre Haute
Meng-Yun Ku, West Lafayette
John Sakaleros, West Lafayette
Grant Tomlin, West Lafayette
Alan-Thomas Trinh, South Bend

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



Campus Engagement through Scholarly Concentrations Program



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

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

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
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

Mark Kelley, PhD
Betty and Earl Herr Professor of Pediatric Oncology Research
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

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-Lapr , 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

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

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

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 Eggleston, 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

Center for the Homeless
Depaul Center
Unity Gardens
La Casa de Amistad
St. Joseph County Health Department
Maple City Health Center
Mosaic Health & Healing Arts
Real Services
Youth Service Bureau
YWCA North Central Indiana
Motels4Now

Student Participants

Class of 2026

Christopher Abrinko, South Bend
Mahmoud Al-Fadhil, 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 Jarosinski, 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
Eilis Kilbride, South Bend
Rebecca McCartney, South Bend
Caitlyn Mulcahey, South Bend

SCHOLARLY CONCENTRATIONS

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

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

Student Participants

Class of 2024

Jay Chopra, Bloomington
Eashan Kumar, Indianapolis
Kayla Stephenson, Indianapolis

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

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

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, OBGYN,
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

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



SCHOLARLY CONCENTRATIONS

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

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



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 McCreary, Northwest-Gary
Kathryn Smeltzer, Terre Haute
Mason Tollar, Terre Haute
Madelynne Wright, 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

Co-Directors

Amy W. Han, PhD
Director of Clinical Education, IUSM-Northwest-Gary, Assistant Professor of Clinical Psychiatry
Elizabeth Ryan, EdD
Associate Dean and Director, IUSM-Northwest-Gary
Baraka Muvuka, PhD, MPH, MCHES
Assistant Professor of Clinical Family Medicine, Director of Research

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, Pham 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



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SCHOLARLY CONCENTRATIONS

Student Participants

Class of 2026

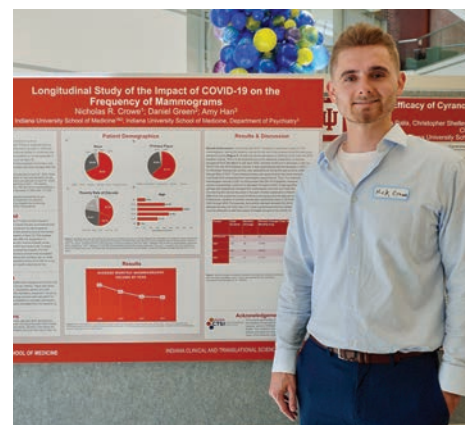
Basem Al-tarshan, Northwest-Gary
Brianna Chandler, Northwest-Gary
Kyra Colston, Northwest-Gary
Kelly DeMichael, Northwest-Gary
Wael Gad, Northwest-Gary
Eric Gonsiorowski, Northwest-Gary
Brendan Jones, Northwest-Gary
Miatta Ndama, Northwest-Gary
Pooja Patel, Northwest-Gary
Luka Peterson, Northwest-Gary
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



SCHOLARLY CONCENTRATIONS OFFERED STATEWIDE

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, Bloomington
Brianna Lawrence, Bloomington
Brayan Marino Capristan, Bloomington

Cameron McClaine, Bloomington
Thomas Murphy, Bloomington
Laeticia Nkuibet, 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 Toscos, 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

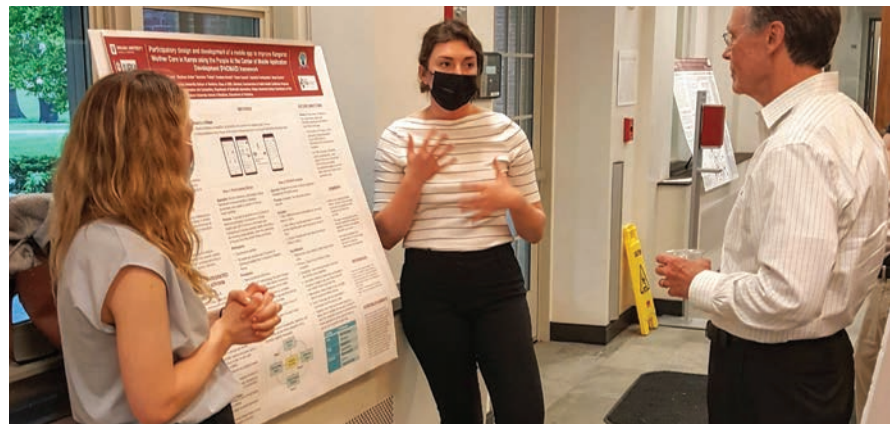
Dennis Savaiano, PhD
Professor of Nutrition Science, Purdue University

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

Sybil 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 Vandeventer, 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.

Publication

Promoting Regional Campus Excellence: The Scholarly Concentrations Program at Indiana University School of Medicine; 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. DOI: doi.org/10.24926/jrmc.v4i1.3541 Journal of Regional Medical Campuses, Vol. 4, Issue 1 (2021)

2022 AAMC Central Group on Educational Affairs Poster Presentation

Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine

Authors: Deborah R. Birnbaum, MBA; Paul M. Wallach, MD; Michelle Rojas, MS.

2022 AAMC Regional Medical Campus Conference Oral Presentation

Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine

Authors: Deborah R. Birnbaum, MBA; Elizabeth Ryan, EdD; Paul M. Wallach, MD.

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

Authors: Deborah R. Birnbaum, MBA; Michelle Rojas, MS; Bradley L. Allen, MD, PhD; Paul M. Wallach, MD.

2020 AAMC Regional Medical Campus Conference Oral Presentation

Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine

Authors: Deborah R. Birnbaum, MBA; Elizabeth Ryan, EdD; Paul M. Wallach, MD. *(Selected to present and canceled due to COVID-19)*

Poster Presentation: Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine

Authors: Elizabeth Ryan, EdD, Deborah R. Birnbaum, MBA, Lauren Henninger, MA, Courtney Lewellen, MS.

2019 AMA Change MedEd Conference Oral 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

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.

2021 IU School of Medicine Education Day

Workshop: Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs

Authors: Deborah R. Birnbaum, MBA; Kathy Lee, BS

2020 IU School of Medicine Education Day

Oral Presentation: Regional Medical Campuses: Leveraging Our Structure

Authors: Deborah R. Birnbaum, MD; Emily Walvoord, MD; Elizabeth R. Ryan EdD.

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

Authors: Bradley L. Allen, MD, PhD; Deborah R. Birnbaum, MBA; Daniel R. Corson-Knowles, MD; Maureen A. Harrington, PhD; MD; Paul M. Wallach, MD.

2022 Assessment Institute Poster Presentation

Assessing a Longitudinal Educational Experience for Continuous Quality Improvement

Authors: Deborah R. Birnbaum, MBA; Anthony Masseria, MSEd; Sarah Walsh, MPH; Michelle Rojas, MS.

Poster Presentation: The IUSM Scholarly Concentrations Program: Strategic Collaborative Education Across Schools and Departments

Authors: Deborah R. Birnbaum, MBA; Daniel R. Corson-Knowles, MD; Michelle Rojas; Paul M. Wallach, MD.

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, MEd

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



SCHOOL OF MEDICINE

Dean Jay L. Hess, MD, PhD, MHSA

SCHOLARLY CONCENTRATIONS PROGRAM

medicine.iu.edu/md/curriculum/scholarly-concentrations

INDIANA UNIVERSITY SCHOOL OF MEDICINE

medicine.iu.edu