SCHOLARLY CONCENTRATIONS PROGRAM
ANNUAL REPORT 2021
INDIANA UNIVERSITY SCHOOL OF MEDICINE
Welcome ................................................................. 4

Scholarly Concentrations Program Overview ....................... 5

Graduate Spotlights .................................................. 8

The Scholarly Concentrations ........................................ 22

Program Scholarship ............................................... 40

Leadership .............................................................. 41
Welcome

Greetings,

The year 2021 was an incredible year for IU School of Medicine’s Scholarly Concentrations Program. Like all of our education programs impacted by the COVID-19 pandemic, our students, faculty, staff and community partners didn’t miss a step and persevered through the most challenging of times. Most of the program continued to be delivered virtually as it was in 2020, with some lab and community opportunities able to be in person with COVID safety protocols of masks and social distance. Only two years old, such challenges could spell trouble for many young initiatives. I am extremely proud of and grateful for the program leadership, faculty, staff, and students - everyone involved in the program. In May 2021, our first six Scholarly Concentrations participants graduated and we celebrate their success and willingness to blaze a trail for those who come next. As I write this letter, approximately 80 students in the Class of 2022 have or are poised to complete their scholarly concentrations and graduate in May 2022. Before then, most will have submitted manuscripts for publication and presented posters at IU School of Medicine’s Education Day.

The Scholarly Concentrations Program offers students a longitudinal extracurricular program, designed to enhance their medical school experience through a parallel curriculum delivered through their four years of study without incurring additional time or tuition. Students complete topic-specific coursework, engage in scholarly pursuits and benefit from mentorship to become better prepared leaders in their chosen field of interest and develop professional identity beyond medical knowledge. Concentrations are topics of broad interest that appeal to students to augment the medical curriculum and enhance their education. I believe they can be game changers when students are applying for residencies. The program leverages the unique expertise, strengths, interests and needs of our diverse campuses and communities, and shines a spotlight on them. This is particularly important for our regional campuses, where the program serves as a tool to help attract and retain students. IU School of Medicine is unique in this strategic use of scholarly concentrations.

Today, we have about 300 students participating in one of 17 concentrations statewide, about half at regional campuses. During 2021, we accelerated implementation of our assessment and evaluation plan. Program leaders listened to feedback and adjusted while continuing to build systems, processes and practices to ensure the sustainability of this large and rapidly growing program. I am thrilled that the Scholarly Concentrations is also benefiting from resources and partnerships available from the federal Health Resources and Services Administration grant IU School of Medicine received to help educate medical students to better care for underserved populations. You can read more about this in the Overview. Additionally, our work with the national Scholarly Concentrations Collaborative includes a survey of residency program directors on the importance of research and scholarly endeavors like this program in light of United States Medical Licensing Examination (USMLE) Step 1 now being Pass/Fail.

I truly appreciate everyone working diligently to create an enriching program for our students, and I applaud the students participating. Our School and communities are better for it. I invite you to spend a few minutes reading about our students’ accomplishments, the growth of the program and what is happening in the different concentrations in this annual report. You will be glad you did.

Paul M. Wallach, MD
Executive Associate Dean, Educational Affairs and Chief Academic Officer
During 2021, the program’s second year, significant progress was made toward creating a strong and sustainable Scholarly Concentrations Program. Today, there are 17 concentrations with Biomedical Research, Medical Education and Religion and Spirituality in Medicine starting in 2021. All draw upon faculty expertise and community characteristics of their respective campuses. Fourteen are offered at one of the School’s nine campuses and three are available to students throughout the state. The program was launched in Summer 2019 with 11 concentrations, at least one on every campus. Medical students have extensive options to participate in this extracurricular program that is designed to enhance their educational experience through a parallel curriculum delivered during their four years of study, ideally at one campus.

Unlike traditional academic certificates and degrees, Scholarly Concentrations do not add time or costs to completing an MD degree. The work required to complete concentrations is manageable, using the summer between the first and second years, elective and other less intense times in the curriculum.

Concentrations are a fantastic way for MD students to customize their education, receive unique mentorship opportunities, and engage in experiences that lead to multidisciplinary scholarship and community engagement. Students complete topic-specific courses, a scholarly project and a scholarly product. For the product, most will produce a manuscript to be submitted for publication. They will also present posters at IU School of Medicine Education Day. Students can promote their Scholarly Concentration work to help them stand out in residency applications and interviews. 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.

The Scholarly Concentrations Program has five primary goals:

- Increase student engagement at statewide campuses.
- Provide interdisciplinary focus that complements and enhances the core curriculum.
- Provide a longitudinal educational experience.
- Support student scholarship.
- Provide an additional credential to residency applications.

A program evaluation and assessment plan is being implemented to guide data collection, monitoring and regularly reporting. Some of our initial data around student engagement and student scholarship are included in this annual report.

The Scholarly Concentrations Program is being 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 2021, these included:

- adding Scholarly Concentrations Program requirements and designation to transcripts;
- designing “ideal state” for process improvements and systems to be part of the School’s new student information management system;
- annual review of syllabi;
- adjustments based on students’ end-of-course evaluations and other feedback; and
- continuing implementation of the program’s evaluation plan.

The program is also a component and beneficiary of the grant IU School of Medicine received from the United States Health Resources and Services Administration. The mission of the grant is to create more medical school graduates with greater interest and appreciation for primary care and the ability to care for underserved populations. While many concentrations align with this mission, four will initially benefit as they focus on medically underserved and vulnerable populations: Care of Hispanic/Latino Patients (West Lafayette); Health Promotion and Disease Prevention (Muncie); Rural Health (Terre Haute); and Urban Medicine and Health Care Disparities (Northwest-Gary).

They will benefit from resources to support curriculum development, experiential training, faculty development and student scholarly work.
INTRODUCTION

Student Participation

Student interest and participation remained strong through 2021. During the first two years of the Scholarly Concentrations Program, both current and prospective students have had the opportunity to apply and enroll in the program. In 2021, prospective medical students could apply to an early decision program for admissions to a regional campus. While not a program to directly recruit into Scholarly Concentrations, the program was promoted to students as a compelling reason to apply and opportunity available to them. About 9 percent of the Class of 2025 was admitted through this effort, the latest tactic in a strategy to attract and retain students to regional campuses for all four years of medical school.

- As of September 2021, there were 306 IU medical students enrolled in scholarly concentrations, about half at regional campuses, and two-thirds of those are on their home campus concentration. This was before students in the Class of 2025 were recruited to the program. Approximately 110 first-year medical students have indicated their intention to enroll in Spring 2022 or began a concentration this academic year.
- Our first program graduates — six students in the Class of 2021 — successfully completed the program while showing true pilot spirit. Seventy-three participants in the Class of 2022 completed program requirements.
- The following table shows the number of students enrolled in the Scholarly Concentrations Program prior to the recruitment for the Class of 2025.

“The Scholarly Concentration is a unique example of the kind of collaborative, innovative, interdisciplinary work that is possible at IU. Working with students from IU School of Medicine has been an excellent experience, and their scholarly projects have already made important contributions to the field of human sexuality and health.”

JESSICA HILLE, PHD, CO-DIRECTOR OF SCHOLARLY CONCENTRATION IN HUMAN SEXUALITY AND HEALTH, BLOOMINGTON
## Scholarly Concentrations Program Enrollment

(As of September 2021)

<table>
<thead>
<tr>
<th>Campus</th>
<th>Scholarly Concentration</th>
<th>Launch</th>
<th>Class of 2022</th>
<th>Class of 2023</th>
<th>Class of 2024</th>
<th>Enrollment as of 9/2021 prior to Class of 2025 recruitment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bloomington</td>
<td>Human Sexuality and Health</td>
<td>2020</td>
<td>0</td>
<td>5</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>Medical Education</td>
<td>2021</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Evansville</td>
<td>Quality and Innovation in Health Care</td>
<td>2019</td>
<td>5</td>
<td>7</td>
<td>6</td>
<td>18</td>
</tr>
<tr>
<td>Fort Wayne</td>
<td>Health Integration and Healthy Aging</td>
<td>2019</td>
<td>2</td>
<td>3</td>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>Muncie</td>
<td>Health Promotion and Disease Prevention</td>
<td>2019</td>
<td>2</td>
<td>3</td>
<td>7</td>
<td>12</td>
</tr>
<tr>
<td>Northwest-Gary</td>
<td>Urban Medicine and Health Care Disparities</td>
<td>2019</td>
<td>9</td>
<td>4</td>
<td>6</td>
<td>19</td>
</tr>
<tr>
<td>South Bend</td>
<td>Ethics, Equity and Justice</td>
<td>2019</td>
<td>6</td>
<td>2</td>
<td>9</td>
<td>17</td>
</tr>
<tr>
<td>Terre Haute</td>
<td>Rural Health</td>
<td>2019</td>
<td>7</td>
<td>4</td>
<td>10</td>
<td>21</td>
</tr>
<tr>
<td>West Lafayette</td>
<td>Care of Hispanic/ Latino Patients</td>
<td>2019</td>
<td>3</td>
<td>6</td>
<td>6</td>
<td>14</td>
</tr>
<tr>
<td></td>
<td>Biomedical Engineering and Applied Medical Technology</td>
<td>2020</td>
<td>3</td>
<td>4</td>
<td>9</td>
<td>16</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>Genetics in Medicine</td>
<td>2019</td>
<td>7</td>
<td>2</td>
<td>6</td>
<td>15</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>Health Information Technology</td>
<td>2019</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>Medical Humanities</td>
<td>2020</td>
<td>0</td>
<td>9</td>
<td>14</td>
<td>23</td>
</tr>
<tr>
<td>Indianapolis</td>
<td>Biomedical Research</td>
<td>2021</td>
<td>1</td>
<td>0</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>Statewide</td>
<td>Business of Medicine</td>
<td>2019</td>
<td>22</td>
<td>21</td>
<td>19</td>
<td>62</td>
</tr>
<tr>
<td>Statewide</td>
<td>Public Health</td>
<td>2019</td>
<td>13</td>
<td>18</td>
<td>21</td>
<td>52</td>
</tr>
<tr>
<td>Statewide</td>
<td>Religion and Spirituality in Medicine</td>
<td>2021</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td><strong>81</strong></td>
<td><strong>90</strong></td>
<td><strong>135</strong></td>
<td><strong>306</strong></td>
</tr>
</tbody>
</table>
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**

- **Natalie Campbell**
  - **Campus:** West Lafayette
  - **Project:** Biomedical Engineering Advancements after Management of Myelomeningocele Study (MOMS): A Review
  - **Mentor:** Eric Nauman, PhD
  - **Residency:** Anesthesiology, University of North Carolina Hospitals

- **Andrew Thyen**
  - **Campus:** West Lafayette
  - **Project:** TBI-on-a-chip: Linking physical impact to neurodegeneration by deciphering primary and secondary injury mechanisms
  - **Mentor:** Edmond Rogers, PhD
  - **Residency:** Surgery-General, Indiana University School of Medicine

- **Chelsey Witsberger**
  - **Campus:** West Lafayette
  - **Project:** Starting a medical 3D printing lab for otolaryngology-head and neck surgery collaboration
  - **Mentor:** Avinash Mantravadi, MD
  - **Residency:** Otolaryngology, University of Michigan Health System

**BIOMEDICAL RESEARCH**

- **Ryan Plunkett**
  - **Campus:** Evansville
  - **Project:** An Automated, Physics-Based Approach to Mapping Cortical Growth in Toddlers
  - **Mentor:** Kara Garcia, PhD
  - **Residency:** Internal Medicine, St Louis University School of Medicine
BUSINESS MEDICINE

Payton Arnold
Campus: Indianapolis
Project: tEMR Surgical Case
Mentor: Todd Saxton, PhD
Residency: Surgery-General, Ascension St John Hosp-MI

Shaneise Ellis
Campus: Indianapolis
Project: Gennesaret Free Clinic (GFC) Service Line Optimization
Mentor: M. Kim Saxton, PhD, MBA
Residency: Pediatrics, McGaw Medical Center of Northwestern University

Jason Graf
Campus: Indianapolis
Project: Genessaret Free Clinic - Partnership Landscape
Mentor: M. Kim Saxton, PhD, MBA
Residency: Internal Medicine, Mayo Clinic Jacksonville

Jacob Graham
Campus: Indianapolis
Project: tEMR Neurology Stroke Teaching Case
Mentor: Todd Saxton, PhD
Residency: Radiology-Diagnostic, Eastern Virginia Medical School

John Hall
Campus: Northwest
Project: Avenues for Expansion and Optimization of AMPATH’s Radiology Department in Western Kenya
Mentor: Todd Saxton, PhD
Residency: Emergency Medicine, Henry Ford Allegiance Health

Clarissa Hanna
Campus: Bloomington
Project: How Social Determinants of Health Affect Medication Adherence in Chronic Illnesses and Possible Business Ventures to Address Them
Mentor: Todd Saxton, PhD
Residency: Anesthesiology, Indiana University School of Medicine
Lauren Howser
Campus: Indianapolis
Project: tEMR Surgical Case
Mentor: Christopher Frederick
Residency: Otolaryngology, Medical University of South Carolina College of Medicine

Bryan Hyatt
Campus: Indianapolis
Project: tEMR Neurology Stroke Teaching Case
Mentor: Todd Saxton, PhD
Residency: Neurology, Indiana University School of Medicine

Andrew Incandela
Campus: Northwest
Project: Avenues for Expansion and Optimization of AMPATH’s Radiology Department in Western Kenya
Mentor: Todd Saxton, PhD
Residency: Internal Medicine, University of Illinois College of Medicine at Chicago

Danielle Kem
Campus: Bloomington
Project: How Social Determinants of Health Affect Medication Adherence in Chronic Illnesses and Possible Business Ventures to Address Them
Mentor: Todd Saxton, PhD
Residency: Internal Medicine, University of Louisville School of Medicine

Jonathan McKeeman
Campus: Indianapolis
Project: Center For Health Care Policy Growth Project
Mentor: Joshua R. Vest PhD, MPH
Residency: Orthopaedic Surgery, St Lukes Hosp-Bethlehem-PA

Amer Mohiuddin
Campus: Indianapolis
Project: Anesthesia Institute for Medical Simulation
Mentor: M. Kim Saxton, PhD, MBA
Residency: Transitional Year, St Vincent Hospitals and Health Care Center
Radoslaw Nabrzyski  
Scholarly Concentration: Business Medicine  
Campus: Bloomington

Satyanarayana Nelanuthala  
Scholarly Concentration: Business Medicine  
Campus: Northwest  
Project: Avenues for Expansion and Optimization of AMPATH’s Radiology Department in Western Kenya  
Mentor: Todd Saxton, PhD  
Residency: Surgery-General, Baylor College of Medicine

Ruben Prado  
Campus: Indianapolis  
Project: Genessaret Free Clinic - Partnership Landscape  
Mentor: M. Kim Saxton, PhD, MBA  
Residency: Surgery-General, Florida Atlantic University Charles E. Schmidt College of Medicine

Lucas Rowe  
Campus: Indianapolis  
Project: Pediatric tEMR Case  
Mentor: Chris Frederick  
Residency: Ophthalmology, Indiana University School of Medicine

Katherine Wierzbowski  
Campus: Northwest  
Project: Pediatric tEMR Case  
Mentor: Todd Saxton, PhD  
Residency: Pediatrics, University of Iowa Hospitals and Clinics

David Wong  
Campus: Bloomington  
Project: How Social Determinants of Health Affect Medication Adherence in Chronic Illnesses and Possible Business Ventures to Address Them  
Mentor: Todd Saxton, PhD  
Residency: Internal Medicine, Loyola University Medical Center
STUDENT SPOTLIGHTS

Ajlal Zaidi
Campus: Indianapolis
Project: GFC Service Line Optimization
Mentor: M. Kim Saxton, PhD
Residency: Internal Medicine, Southern Illinois University School of Medicine

Fiorella Yep Mendizaba
Campus: West Lafayette

CARE OF HISPANIC/LATINO PATIENTS

Austin Dukes
Campus: Bloomington
Project: Latino Health & Workforce Study
Mentor: Melinda Grismer
Residency: Pediatrics, Nationwide Childrens Hosp-OH

ETHICS, EQUITY, AND JUSTICE

Ryan Gandy
Campus: South Bend

Sydney Rivera
Campus: West Lafayette

Michael Harding
Campus: South Bend
Project: I am my own person and I have my own beliefs: Minor Views of Consent for HIV Biomedical Prevention Research
Mentor: Mary Ott, MD
Residency: Pediatrics, Indiana University School of Medicine
Bethany Lutter  
**Campus:** South Bend  
**Project:** Lower Socioeconomic Status Students Performance on the MCAT  
**Mentor:** Antwione Haywood, PhD  
**Residency:** Anesthesiology, McGaw Medical Center of Northwestern University

Madeline Smith  
**Campus:** South Bend  
**Project:** Timeout: Parental Subversion of Concussion Protocols for Untimely Return-to-Play  
**Mentor:** Kathleen Eggleson, PhD  
**Residency:** Orthopaedic Surgery, Wake Forest University Baptist Medical Center

Abigail Hadley  
**Campus:** Indianapolis  
**Project:** Hyperglycemia cooperates with Tet2 heterozygosity to induce leukemia driven by pro-inflammatory cytokine induced IncRNA Morbid  
**Mentor:** Reuben Kapur, PhD  
**Residency:** Internal Medicine/Pediatrics, University of Michigan Health System

Adam Corya  
**Campus:** Indianapolis  
**Project:** Individualized exercise and the health of the AYA cancer survivor population  
**Mentor:** Jamie Renbarger, MD  
**Residency:** Family Medicine, McGaw Medical Center of Northwestern University

Matthew Lang  
**Campus:** Indianapolis  
**Project:** Vascular dysfunction in retinitis pigmentosa  
**Mentor:** Alon Harris, PhD  
**Residency:** Family Medicine, Amita St Joseph Hosp-IL

Anna Gensel  
**Campus:** Indianapolis
STUDENT SPOTLIGHTS

**Nicholas Polster**  
**Campus:** Indianapolis  
**Project:** Association Between IL6R Polymorphisms and Cachexia Phenotype in Patients with Pancreatic Ductal Adenocarcinoma  
**Mentor:** Teresa A. Zimmers, PhD  
**Residency:** Pathology-Anatomic and Clinical, Indiana University School of Medicine

**Alison Schmidt**  
**Campus:** Indianapolis  
**Project:** SHROOM3 is a novel component of the planar cell polarity pathway whose disruption causes congenital heart disease  
**Mentor:** Matthew Durbin, MD  
**Residency:** Obstetrics and Gynecology, University of Michigan Health System

**Sydney Willhite**  
**Campus:** Bloomington  
**Project:** Chemical-induced aseptic meningitis as a result of intrathecal hydromorphone therapy: Case report  
**Mentor:** Sangeeta Juloori, MD  
**Residency:** Surgery-General, UT ennessee Grad SOM-Knoxville

**HEALTH INFORMATION TECHNOLOGY**

**Colton Junod**  
**Campus:** Terre Haute  
**Project:** Utilization of ICD-10 Classification Codes for Social Determinants of Health  
**Mentor:** Joshua R. Vest PhD, MPH  
**Residency:** Emergency Medicine, Indiana University School of Medicine

**HEALTH INTEGRATION AND HEALTHY AGING**

**Samuel Stegelmann**  
**Campus:** Fort Wayne  
**Project:** Effect of delay in thrombectomy reperfusion on patient functional outcome after acute ischemic stroke  
**Mentor:** Fen-Lei Chang, MD, PhD

**HEALTH PROMOTION AND DISEASE PREVENTION**

**Brooke Strader**  
**Campus:** Muncie
PUBLIC HEALTH

Stephanie Asdell
Campus: Indianapolis
Project: Barriers to offering same-day, all-options contraception at a student-run free clinic
Mentor: Jeffrey F. Peipert, MD, PhD
Residency: Obstetrics and Gynecology, University of Chicago Medical Center

Emily Coleman
Campus: Indianapolis
Project: A rapid review of devices to prevent neonatal hypothermia among premature, low birthweight, and small-for-gestational age neonates in high, middle, and low-income countries (2016-2021)
Mentor: Sherri Bucher, PhD
Residency: Internal Medicine/Pediatrics, Indiana University School of Medicine

McKenzie Barber
Campus: Indianapolis
Project: Evaluating the Efficacy of Implementing a Sexually Transmitted Infection Testing and Treatment Protocol in a Student-Run Free Clinic
Mentor: Javier Sevilla, MD
Residency: Obstetrics and Gynecology, Washington University/B-JH/SLCH Consortium

Livia Hopper
Campus: Evansville
Project: Patient and community characteristics associated with high-cost imaging: results from a linked state cancer registry and health information exchange database
Mentor: David Haggstrom, MD
Residency: Emergency Medicine, Baylor College of Medicine

Mikayla Burrell
Campus: Fort Wayne
Project: Identifying Children with Medical Complexity for Care Coordination in Primary Care Settings
Mentor: Mary Ciccarelli, MD
Residency: Pediatrics, Cincinnati Children’s Hospital Medical Center

Amani Karim
Campus: Indianapolis
Project: A rapid review of devices to prevent neonatal hypothermia among premature, low birthweight, and small-for-gestational age neonates in high, middle, and low-income countries (2016-2021)
Mentor: Sherri Bucher, PhD
STUDENT SPOTLIGHTS

Gabrielle Michaeli
Campus: Indianapolis
Project: Completion of Social Determinants of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative
Mentor: Sarah Stelzner, MD
Residency: Emergency Medicine, Indiana University School of Medicine

Pooja Pandita
Campus: Indianapolis
Project: Completion of Social Determinants of Health Screenings in Pediatric Practices Participating in a Quality Improvement Initiative
Mentor: Sarah Stelzner, MD
Residency: Internal Medicine, University of California (San Diego) Medical Center

Kayla Powell
Campus: Indianapolis

Grace Rushton
Scholarly Concentration: Public Health
Campus: Bloomington
Project: Characterizing Empiric Antimicrobial Usage Among Newborns in Tertiary Centers in Sub-Saharan Africa
Mentor: Osayame A. Ekhaguere, MBBS, MPH
Residency: Pediatrics, Nationwide Childrens Hosp-OH

Cameron Smock
Campus: Indianapolis
Project: Diabetes self-management education and support at student-run free clinics: a narrative review
Mentor: Javier Sevilla-Martir, MD
Residency: Physical Medicine and Rehabilitation, Mayo Clinic College of Medicine and Science

QUALITY INNOVATION IN HEALTH CARE

Erin Deist
Campus: Evansville
Project: HPV Knowledge and Vaccine Acceptance at the Vanderburgh County Health Department: A Quality Improvement Project
Mentor: Erin Reese, RN
Residency: Obstetrics and Gynecology, St Vincent Hospitals and Health Care Center
Morgan Saiko-Blair  
**Campus:** Evansville  
**Project:** Analysis and Characterization of the Utilization of Peripheral Intravenous Catheters at a Community Hospital  
**Mentor:** Kara Garcia, PhD  
**Residency:** Obstetrics and Gynecology, Mercy Hospital St Louis-MO

Jered Schenk  
**Campus:** Evansville  
**Project:** Analysis and Characterization of the Utilization of Peripheral Intravenous Catheters at a Community Hospital  
**Mentor:** Kara Garcia, PhD  
**Residency:** Internal Medicine, Medical University of South Carolina College of Medicine

Lexis Will  
**Campus:** Evansville  
**Project:** Analysis and Characterization of the Utilization of Peripheral Intravenous Catheters at a Community Hospital  
**Mentor:** Kara Garcia, PhD  
**Residency:** Internal Medicine, University of Texas Southwestern Medical Center

RURAL HEALTH

Ellen Yos  
**Campus:** Evansville  
**Project:** Readmission Rates in Heart Failure Patients with Dedicated Post-Discharge Clinic Follow-up  
**Mentor:** Tapan Mehta, MD  
**Residency:** Internal Medicine, Grand Strand Reg Med Ctr-SC

Shan Antony  
**Campus:** Terre Haute  
**Project:** Rural versus Urban COVID-19 Information Seeking and Vaccine Uptake  
**Mentor:** Ellen Ireland, PhD  
**Residency:** Family Medicine, Memorial Hospital of South Bend

Emma Eckrote  
**Campus:** Terre Haute  
**Project:** Community Birth in Indiana: The Motivations of Rural Women Choosing Out of Hospital Delivery  
**Mentor:** Robin Danek, MPH  
**Residency:** Pediatrics/Psychiatry/Child and Adolescent Psychiatry, Indiana University School of Medicine
STUDENT SPOTLIGHTS

Justin Kryshak  
**Campus:** Terre Haute  
**Project:** Review of Electronic Health Record Methods of Data Extraction  
**Mentor:** Ellen Ireland, PhD  
**Residency:** Family Medicine, Aurora Health Care

Reese Miller  
**Campus:** Terre Haute  
**Project:** Rural versus Urban COVID-19 Information Seeking and Vaccine Uptake  
**Mentor:** Ellen Ireland, PhD  
**Residency:** Anesthesiology, Indiana University School of Medicine

Brycen Ratcliffe  
**Campus:** Terre Haute  
**Project:** Rural and Urban EMS level of comfort with overdose treatment  
**Mentor:** Robin Danek, MPH  
**Residency:** Surgery-General, University of Missouri-Columbia School of Medicine

Sarah Swiezy  
**Campus:** Terre Haute  
**Project:** Rural versus Urban COVID-19 Information Seeking and Vaccine Uptake  
**Mentor:** Ellen Ireland, PhD  
**Residency:** Obstetrics and Gynecology, Washington University/B-JH/SLCH Consortium

Quinton Thompson  
**Campus:** Terre Haute  
**Project:** Perceptions on Telehealth initiated Opioid Use Disorder Treatment during the COVID-19 Pandemic  
**Mentor:** Randall Stevens, MD  
**Residency:** Internal Medicine, Indiana University School of Medicine

**URBAN MEDICINE AND HEALTH CARE DISPARITIES**

Chiamara Anokwute  
**Campus:** Northwest  
**Project:** The Impact of P.O.P. on Teen violence and the anti-violence programing in Northwest Indiana and Greater Chicagoland area  
**Mentor:** Michael McGee, MD, MPH  
**Residency:** Pediatrics/Emergency Medicine, Indiana University School of Medicine
Kesha Kandoi  
**Campus:** Bloomington  
**Project:** Barriers to Outreach and Recruitment of South Asians in Biomedical Research  
**Residency:** Pediatrics, University of Chicago Medical Center

Magdalena Maginot  
**Campus:** Northwest  
**Project:** Review of Survey Language on Racism as an Adverse Childhood Experience  
**Mentor:** Amy Han, PhD  
**Residency:** Psychiatry, University of Iowa Hospitals and Clinics

Erin Perez  
**Campus:** Northwest  
**Project:** Fighting Hunger through Nutrition Education and Community Partnership  
**Mentor:** Elizabeth Ryan, EdD  
**Residency:** Pediatrics, University of Florida College of Medicine

Natasa Petreska  
**Campus:** Northwest  
**Project:** Personal Experience: Working with the Foodbank of Northwest Indiana  
**Mentor:** Amy Han, PhD

Derek Sloss  
**Campus:** Northwest  
**Project:** The Impact of P.O.P. on Teen violence and the anti-violence programing in Northwest Indiana and Greater Chicagoland area  
**Mentor:** Michael McGee, MD, MPH  
**Residency:** Psychiatry, Community Health Network

Cody Stewart  
**Campus:** Northwest
STUDENT SPOTLIGHTS

Blagojce Trimoski  
**Campus:** Northwest

**NOT PICTURED:**  
Gracelyn Bose  
**Scholarly Concentration:** Business Medicine  
**Campus:** Indianapolis

Joel Gerig  
**Scholarly Concentration:** Ethics, Equity, and Justice  
**Campus:** South Bend

Courtney Raab  
**Scholarly Concentration:** Urban Medicine and Health Care Disparities  
**Campus:** Northwest
The Scholarly Concentration in Public Health allowed me to complement my medical education with essential knowledge of national and local healthcare systems. This program allowed me to continue fueling my curiosity and critical thinking skills in ways that have made me a better student doctor and future physician.

SUSHUMA CHOWDARY YARLAGADDA, MD, NEUROLOGY RESIDENT, EMORY UNIVERSITY IUSM CLASS OF 2021, SCHOLARLY CONCENTRATION IN PUBLIC HEALTH

Working with our medical students with their projects has been one of the more rewarding aspects of our Scholarly Concentration (Urban Medicine and Healthcare Disparities). Knowing that they will take this experience and knowledge with them to the next chapter of their medical education journey is comforting. Also, hearing that they are asked repeatedly about their Scholarly Concentration experience during residency interviews is just icing on the cake!

AMY HAN, PHD, CO-DIRECTOR OF SCHOLARLY CONCENTRATION IN URBAN MEDICINE AND HEALTH CARE DISPARITIES, NORTHWEST-GARY
Each Scholarly Concentration is composed of the following:

**Fundamentals of Research and Scholarship**
This course is foundational to all Scholarly Concentrations. Students develop fundamental skills in research study design, scientific inquiry and methods, data management, statistical analysis and human subjects research ethics.

**Topic-Specific Coursework**
Each concentration includes between two and six courses or experiences that empower students to explore their chosen topic.

**Scholarly Project**
Students gain firsthand experience by developing and conducting scholarly inquiry appropriate to their concentration. Completion of the project will form the basis of a scholarly concentration product.

**Scholarly Product**
A scholarly work product is required, typically a manuscript submitted to a peer-reviewed journal. Students will also present a poster at IUSM Education Day.

**Roles and Responsibilities**

<table>
<thead>
<tr>
<th>Role/Position</th>
<th>Responsibilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Associate Dean:</td>
<td>Vision and leadership; review and approve topics; partnerships</td>
</tr>
<tr>
<td>Curriculum Council Steering Committee:</td>
<td>Curricular leadership; review and approval of proposals</td>
</tr>
<tr>
<td>Scholarly Concentrations Program Ad-Hoc Committee:</td>
<td>Initial review and recommendation for approval to Steering Committee</td>
</tr>
<tr>
<td>Program Manager/Project Manager:</td>
<td>Directs program statewide; program, policies and systems development and implementation</td>
</tr>
<tr>
<td>Scholarly Concentrations Program Faculty Lead:</td>
<td>Curricular review; evaluation and assessment</td>
</tr>
<tr>
<td>Scholarly Concentrations Program Coordinator:</td>
<td>Coordinates various aspects of program</td>
</tr>
<tr>
<td>Associate Dean and Director of Regional Campuses:</td>
<td>Campus champion; responsible for overall campus success</td>
</tr>
<tr>
<td>Scholarly Concentration Co-Directors:</td>
<td>Development and management of concentration, curriculum, scholarly projects.</td>
</tr>
<tr>
<td>Student success</td>
<td></td>
</tr>
<tr>
<td>Scholarly Concentration Project Mentors:</td>
<td>Guide students through scholarly project, manuscript, poster</td>
</tr>
<tr>
<td>Course Directors:</td>
<td>Development of course syllabus, course content, assessment</td>
</tr>
<tr>
<td>Liaison Librarians:</td>
<td>Support students and educators through library resources</td>
</tr>
<tr>
<td>Lead Advisors:</td>
<td>Student academic advising</td>
</tr>
</tbody>
</table>
Biomedical Engineering and Applied Medical Technology – West Lafayette (launched 2020)

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*
Assistant Head for Academic Affairs and Associate 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

**West Lafayette Regional Campus Dean and Director**

*Matthew Tews, DO, MS*

**Staff, Mentors & Instructors**

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

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

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

*Deva Chan, PhD, Assistant Professor of Biomedical Engineering, Purdue University*

*Maria Dadarlat, 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*

*Eric Nauman, MsME, PhD, Director of Office of Professional Practice, Professor of Mechanical Engineering, Professor of Basic Medical Sciences and Biomedical Engineering, Director of Honors Program, College of Engineering, 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*

*Matthew Ward, PhD, Assistant Professor of Biomedical Engineering, Purdue University*

**Student Participants**

**Class of 2024**

Evan Anderson - West Lafayette
Sydney Quinn Clark - West Lafayette
Christopher Elias Dalloiu - Terre Haute
Aditya Prashant Desai - West Lafayette
Maria Feucht - Indianapolis
Sunland Lee Gong - Terre Haute
John Michael Sakaleros - West Lafayette
Grant Michael Tomlin - West Lafayette
Alan-thomas Loc Trinh - South Bend

**Class of 2023**

Hayley Nina Chan - West Lafayette
Meng-Yun Ku - West Lafayette
Shiv Ranjan Panigrahi - West Lafayette
Frank Rigueiro - West Lafayette
Biomedical Research – Indianapolis (launched 2021)

In this concentration, 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 (CTSI) 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 (IMPRS) 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

**Aaron E. Carroll, MD**  
Associate Dean for Research Mentoring and Chief Health Officer

**Student Participants**

**Class of 2024**
- Ethan Cornwell – Evansville
- Clare Gallagher – West Lafayette
- Erica Geers – Evansville
- Samuel Kaefer – Indianapolis
- Thomas Kleckner – Evansville
- Eyram Kpenu – Northwest
- Eugene Lee – Indianapolis
- Tommaso Mason – Indianapolis
- Austin Meyer – Indianapolis
- Mira Prabhakar – Indianapolis
- Brandon Sizemore – Bloomington
- Deepthi Thadasina – Indianapolis

**Staff, Mentors & Instructors**

- Lisa G Yazel, EdD, Course Administrator
- 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
- Sikandar Khan, MS, DO, Assistant Professor of Medicine
- Michelle Starr, MD, Assistant 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
- Mike Sturek, PhD, Professor of Anatomy, Cell Biology & Physiology
- 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 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
Care of Hispanic/Latino Patients – West Lafayette (launched 2019)

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

Staff, Mentors & Instructors
Françoise Brosseau-Lapré, PhD, CCC-SLP, Assistant Professor, Speech Language & Hearing Sciences, Purdue University
Gregory J. Loomis, MD, Clinical Assistant Professor of Neurological Surgery
Melinda Grismer, MS, Purdue Community and Regional Development Specialist
Peter S. Pang, MD, Chair, Department of Emergency Medicine
Thomas Issac Jones, MD, Clinical Assistant Professor of 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
Jayne R. Rayman, IUSM-West Lafayette Outreach and Communications Specialist

Co-Directors
Ray Munguía-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

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

Student Participants
Class of 2024
Sophia Bertot - West Lafayette
Joseph Clemens - West Lafayette
Asif Hossain - West Lafayette
Kristen Lentsch - West Lafayette
Jared Routsong - West Lafayette
Adrienne Sowers - West Lafayette

Class of 2023
Christian Arce Guzman - West Lafayette
Catherine Burns - West Lafayette
Valerie Gambetta - West Lafayette
Claire Marks - West Lafayette
Mark Westbroek - West Lafayette
Nicholas Young - West Lafayette
Ethics, Equity and Justice – South Bend (launched 2019)

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 the 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**

**Joe Kotva, PhD**
Adjunct Assistant Professor of Medicine

**Mark D. Fox, MD, PhD**
Associate Dean and Director, IU School of Medicine - 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, IU South Bend

Mary A. Ott, MA,
Professor of Pediatrics, Faculty Investigator, Indiana University Center for Bioethics

Gail McGuire, PhD,
Professor of Sociology, Director of Community Engagement, IU-South Bend

---

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

---

**Student Participants**

**Class of 2024**

Malorie Cullers – South Bend
Megan Elizabeth Swartzendruber Eigsti - South Bend
Rylee Lynn Friel - South Bend
Tyler Joseph Gabrelcik - South Bend
Jack Henry Bicalho Hibbard - South Bend
Mary Margaret Holohan - South Bend
Eilis Sioban Kilbride - South Bend
Rebecca McCartney - South Bend
Caitlyn Mulcahey – South Bend
Malorie Rose Weldy - South Bend

**Class of 2023**

Daniel Abdel-Karim Armounfelder - South Bend
Alexis Faith George - South Bend
Genetics in Medicine – Indianapolis (launched 2019)

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
Theodore Wilson, MD
Lecturer in Medical & Molecular Genetics

Staff, Mentors & Instructors
Stephanie Sharp, MD, Teaching Faculty
Amy Breman, PhD, Cytogenetics Clinical Laboratory Director
Marcus Miller, PhD, Biochemical Genetics Laboratory Director
Molly McPherson, MD, Assistant Professor
Erin Conboy, MD, Assistant Professor
Cass Muesing, MS, CG(ASCP)CM Cytogenetics Clinical Laboratory Education Supervisor
Evan-Jacob Garcia, MD, Medical Genetics Resident

Student Participants

Class of 2024
- Ashwin Biju – Indianapolis
- Christian Karcher – Indianapolis
- Folami Morris – Indianapolis
- Jourdan Owens – Indianapolis
- Willa Sasso – Indianapolis
- Camilo Suescum - Indianapolis

Class of 2023
- Vijai Kumar Dorairaj Dharla - Indianapolis
- Margaret Kathryn Rose - 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

Class of 2026
Vijai Kumar Dorairaj Dharla - Indianapolis
Margaret Kathryn Rose - 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 (launched 2019)

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-Directors**

**Eneida A. Mendonca, MD, PhD, FAAP, FACMI**
Professor of Pediatrics and Professor of Biostatistics, Vice President for Research Development and Interim Director, Center for Biomedical Informatics, Regenstrief Institute, Inc.

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

**John T. Finnell, MD**
Professor of Clinical Emergency Medicine

**Staff, Mentors & Instructors**

Kurt Kroenke, MD, Chancellor’s Professor, IUPUI, Professor of Medicine and Regenstrief Institute Research Scientist

Jess Halterman, BS, Fellowship Coordinator, Center for Biomedical Informatics, Program Coordinator

Bryan McConomy, MD, Clinical Informatics Fellow, Regenstrief Institute

Erick Christensen, MD, Clinical Informatics Fellow, Regenstrief Institute

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
- Kayla Higgins – Indianapolis
- Eashan Kumar – Indianapolis

**Class of 2023**
- Fahad Hasnain - Indianapolis
- Justin Nevin Waran - Indianapolis
Health Integration and Healthy Aging – Fort Wayne (launched 2019)

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 healthy 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 and Physiology

Fort Wayne Regional Campus Dean and Director

Fen-Lei Chang, MD, PhD

Staff, Mentors & Instructors

Fen-Lei Chang, MD, PhD, Associate Dean and Director, IU School of Medicine-Fort Wayne
Valerie Yeager, PhD, Associate Professor, 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
Justin Blackburn, PhD, Associate Professor, Health Policy and Management, HPM, PhD Program Director, Richard M. Fairbanks School of Public Health

Student Participants

Class of 2024
Aysha Rafique Chaudhary - Fort Wayne
Samuel Elias Griffin - Fort Wayne
Aaron Tyler Jones - Fort Wayne
Varun Ashutosh Rao - Fort Wayne
Michael R Weber - Fort Wayne

Class of 2023
Kendra Jean Hollenbeck - Fort Wayne
Bret Patrick Lawson - Fort Wayne
Cade Plyer - Fort Wayne
Health Promotion and Disease Prevention – Muncie (launched 2019)

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

Muncie Regional Campus Dean and Director

- Derron Bishop, PhD

Staff, Mentors & Instructors

- Derron Bishop, PhD, Associate Dean and Director, IU School of Medicine-Muncie
- Lynn Witty, MD, Adjunct Clinical Assistant Professor of Medicine
- Sula Hood, PhD, MPH, Assistant Professor, Richard M. Fairbanks School of Public Health

Student Participants

Class of 2024

- Manhalh Bakdash - Muncie
- Colton Goebel - Muncie
- Cameran Lynn Jones - Muncie
- Jordan James Koczenasz - Muncie

Class of 2023

- MacKenzie Louise Pairitz - Indianapolis
- Priya Soni - Muncie
- Julie Marie Vaughan - Terre Haute
Human Sexuality and Health – Bloomington (launched 2020)

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.

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, IU School of Medicine-Bloomington

Justin R. Garcia, PhD
Executive Director, The Kinsey Institute
Ruth N. Halls Associate Professor of Gender Studies

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

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

Staff, Mentors & Instructors
Greg Carter, PhD, MSN, Assistant Professor, IU School of Nursing
Jacek Kolacz, PhD, Assistant Research Scientist, The Kinsey Institute
Virginia Vitzthum, PhD, Senior Scientist, The 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
Polly Husmann, PhD, Associate Professor of Anatomy, Cell Biology & Physiology
Zoe Peterson, PhD, Senior Scientist, The Kinsey Institute

Student Participants
Class of 2024
Victoria Ann Cook - Bloomington
Maya Elena Lee - Bloomington
Sydney Mae Lovins - Bloomington
Katherine Mary Lee Trudeau - Bloomington

Class of 2023
Christine Julia Ake - Bloomington
Lucy Delany Brown - Indianapolis
Brianna Renee Mahnke - Bloomington
Keeley Dane Newsom - South Bend
Michael Jay Riddle - Bloomington
Medical Education – Bloomington (launched 2021)

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

Staff, Mentors & Instructors
Dan Lodge-Rigal, MD, Associate Professor of Clinical Pathology and Laboratory Medicine
David Rodgers, EdD, EMT-P, NRP, FAHA, Clinical Assistant Professor of Medicine
Jessica Byram, PhD, Assistant Professor of Anatomy, Cell Biology & Physiology

Co-Directors
Charles N. Rudick, PhD
Assistant Director of Medical Education, IUSM-Bloomington
Valerie D. O’Loughlin, PhD
Director of Undergraduate Medical Education, IU School of Medicine-Bloomington
Polly R. Husmann, PhD
Assistant Professor of Anatomy, Cell Biology & Physiology

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

Student Participants
Class of 2024
Elizabeth Hart - Bloomington
Emily Merritt - Indianapolis

My participation in this concentration has only made me more certain of my desire to go into academic medicine and medical education. Between the courses, interactions with the faculty, and every experience I have had thus far with my project, the concentration has truly enriched my education and helped me to see where my future place in medicine might be.

EMILY MERRITT, CLASS OF 2024, SCHOLARLY CONCENTRATION IN MEDICAL EDUCATION, BLOOMINGTON
Quality and Innovation in Health Care – Evansville (launched 2019)

This program trains future clinicians to improve quality, safety and efficiency in healthcare systems. 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 also 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, Associate Professor of Engineering, University of Southern Indiana

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

Mentors & Instructors
- Barbara Cash, MHA, CSSMBB, Quality Systems Manager, Deaconess Health System, Adjunct Instructor, IU School of Medicine-Evansville
- Greg Folz, CCRP, Consultant, Research Institute of Deaconess Clinic, Adjunct Instructor
- Tapan Mehta, MD, Physician, St. Vincent Ascension Evansville
- Amanda Boehleber, MD, Physician, Deaconess Health System
- Majed Koleilat, MD, Clinical Director, Deaconess Research Institute
- William Smith, MD, Physician, Deaconess Health System
- Susan Ely, PhD, Assistant Professor of Engineering, University of Southern Indiana
- Jeffrey Starkey, PharmD, Pharmacist, Deaconess Health System
- Gabriel Gruionu, PhD, Assistant Research Professor of Medicine
- Subha Raman, MD, Professor of Medicine
- Jing Su, PhD, Assistant Professor of Biostatistics and Health Data Sciences

Student Participants
Class of 2024
- Clark Berry - Evansville
- Joseph Davis - Evansville
- Ashton Mitchell - Evansville
- David Pereira - Evansville
- Ileana Rodriguez - Evansville
- Troy Wesson - Evansville

Class of 2023
- Christopher Blanco - Evansville
- Jara Crawford - Evansville
- Shannon Gidley - Evansville
- Shania James - Evansville
- Brian Moreno - Fort Wayne
- Abigail Parker - Indianapolis
- Carly Waggoner - Evansville
Rural Health – Terre Haute (launched 2019)

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
Clinical Assistant Professor
Robin L. Danek, MPH
Senior Lecturer
Terre Haute Regional Campus Dean and Director
Taihung (Peter) Duong, PhD

Staff, Mentors & Instructors
Eric Reyes, PhD, Associate Professor,
Rose-Hulman Institute of Technology
Jiali Han, PhD, Professor, Chair of Epidemiology,
Richard M. Fairbanks School of Public Health

Student Participants
Class of 2024
Morgan Danielle Black - Terre Haute
Zoe Mae Burrow - Terre Haute
Mason Roarke Tollar - Terre Haute

Class of 2023
Sarah Elizabeth Hopfer - Terre Haute
Olivia Renae Neese - Terre Haute
Rachel Jane Nettleton - Terre Haute
Joseph Michael Riggs - Terre Haute

The Rural Medicine education program and the Scholarly Concentration have strengthened my desire to serve those in my small community and have afforded me the skills to be able to do so with confidence and greater knowledge of the needs around me. It is preparing me to come home and care for those who took such good care of me.

EMMA ECKROTE, CLASS OF 2022, SCHOLARLY CONCENTRATION IN RURAL HEALTH, TERRE HAUTE
Urban Medicine and Health Care Disparities – Northwest/Gary (launched 2019)

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
Academic Specialist, Director, Clinical Education
Elizabeth Ryan, EdD
Associate Dean and Director, IU School of Medicine-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, Program Director, IU School of Medicine-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
Amir Hajrasouliha, MD, Glick Eye Institute
Tatiana Kostrimanova, PhD, Professor of Histology
Sulman Hussain, DO, Assistant Professor of Cardiology
Samer Ajam, MD, Assistant Professor of Cardiology
Jonathan Guerrero, PharmD, BCPS, Assistant Professor of Clinical Pharmacology and Toxicology
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

Student Participants
Class of 2024
Mohamed Shakeeb Aldallal - Northwest
Yazan Al-Tarshan - Northwest
Daniel Luke Green - Northwest
Alanna Hooper - Northwest
Sean William O’Brien - Northwest
Maryam Meraj Sabir - Northwest

Class of 2023
Alexander James Huang - Northwest
Deeb Omari - Northwest
Cameron McLeod Snapp - Northwest
Clayton Yang Tsang - Northwest
Business of Medicine (launched 2019)

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

**Student Participants**

**Class of 2024**

Nathaniel Banet - Indianapolis
Albert Brougham - Northwest
Kyle Burton - Terre Haute
Moriah Carmel - Northwest
Alexander Daugherty - Indianapolis
Frank Dijak - Indianapolis
Matthias Ebeyer - Bloomington
Jackson Griffith-Linsley - Indianapolis
Sai Kodukula - Northwest
Niloy Lahiri - Indianapolis
Paul Muldoon - Indianapolis
Austin Natalie - Bloomington
Laeticia Nkuibet - Northwest
Bhumi Patel - Bloomington
Charles Price - Indianapolis
Juan Sanchez Castro - Indianapolis
Ruhani Sansoya - Bloomington
Joshua Thomson - Indianapolis
Amna Yaqub - Indianapolis

**Class of 2023**

Haider Al-Awadi - Indianapolis
Matthew Anderson - Indianapolis
Christopher Arnold - Bloomington
Aatif Basher - Indianapolis
Connor Cunningham - Indianapolis
Connor Drake - Bloomington
Colton Houchin - Indianapolis
Bryan Ko - Bloomington
Joseph Lenkey - Indianapolis
Peter Leonard - Indianapolis
Mathew Padanilam - Bloomington
Purva Patel - West Lafayette
John Petroskey - Indianapolis
Emily Ritsema - Indianapolis
Summer Samuels - Muncie
Ishani Sharma - Indianapolis
Lovekirat Singh - Fort Wayne
Dylan Stolz - Indianapolis
Christopher Tarnowski - Muncie
Acacia Williams - Indianapolis

---

**Coursework**

- Business of Medicine (launched 2019)

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.

**Student Participants**

**Class of 2024**

Nathaniel Banet - Indianapolis
Albert Brougham - Northwest
Kyle Burton - Terre Haute
Moriah Carmel - Northwest
Alexander Daugherty - Indianapolis
Frank Dijak - Indianapolis
Matthias Ebeyer - Bloomington
Jackson Griffith-Linsley - Indianapolis
Sai Kodukula - Northwest
Niloy Lahiri - Indianapolis
Paul Muldoon - Indianapolis
Austin Natalie - Bloomington
Laeticia Nkuibet - Northwest
Bhumi Patel - Bloomington
Charles Price - Indianapolis
Juan Sanchez Castro - Indianapolis
Ruhani Sansoya - Bloomington
Joshua Thomson - Indianapolis
Amna Yaqub - Indianapolis

**Class of 2023**

Haider Al-Awadi - Indianapolis
Matthew Anderson - Indianapolis
Christopher Arnold - Bloomington
Aatif Basher - Indianapolis
Connor Cunningham - Indianapolis
Connor Drake - Bloomington
Colton Houchin - Indianapolis
Bryan Ko - Bloomington
Joseph Lenkey - Indianapolis
Peter Leonard - Indianapolis
Mathew Padanilam - Bloomington
Purva Patel - West Lafayette
John Petroskey - Indianapolis
Emily Ritsema - Indianapolis
Summer Samuels - Muncie
Ishani Sharma - Indianapolis
Lovekirat Singh - Fort Wayne
Dylan Stolz - Indianapolis
Christopher Tarnowski - Muncie
Acacia Williams - Indianapolis

---

**Co-Directors**

- **Charles N. Rudick, PhD**
  Assistant Director of Medical Education, IU School of Medicine-Bloomington

- **Kyle J. Anderson, PhD**
  Clinical Assistant Professor, Kelley School of Business

**Staff, Mentors & Instructors**

- Philip Powell, PhD, Associate Dean, IU Kelley School of Business
- M. Kim Saxton, MBA, PhD, Clinical Professor of Marketing, IU Kelley School of Business
- Todd Saxton, PhD, Associate Professor of Strategy and Entrepreneurship and Kelley Venture Fellow, IU Kelley School of Business
Medical Humanities (launched 2020)

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 that 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
Adjunct Assistant Professor of Medicine

Jane A. Hartsock, JD, MA
Visiting Assistant Professor, School of Liberal Arts

Student Participants

Class of 2024
Lynn Alsatie - Muncie
Jordan Finch - Muncie
Sara Hardman - Indianapolis
Matthew Hodges - Indianapolis
Nisreen Islaih - West Lafayette
Jenna Jones - Terra Haute
Samira Kouchakzadeh - Evansville
Nicholas O’Connor - Indianapolis
Jesus Olivera - Evansville
Gabrielle Omorogie - West Lafayette
Taruni Pandhiri - Muncie
Samantha Rodriguez - South Bend
Kathryn Sokolowski - Indianapolis
Aish Thamba - Bloomington

Class of 2023
Autumn Austin - Evansville
Erin Becker - Indianapolis
Hannah Dempsey - Indianapolis
Mary Etling - Indianapolis
Walter Fitschen - Indianapolis
Joshua Hoffer - Indianapolis
Evan Munn - Indianapolis
Ferris Nimri - Northwest
Anna Purk - Fort Wayne

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 at Indiana University 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 and Associate Professor of Radiology, Pediatrics, Obstetrics and Gynecology, Philosophy, Medicine

Colin Halverson, PhD, Assistant Professor of Medicine
Angeline Larimer, MFA, MA, Affiliate Faculty, Medical Humanities and Health Studies, Communication Studies, IU School of Liberal Arts, IUPUI
Katharine Head, PhD, Associate Professor of Communication Studies, IU School of Liberal Arts, IUPUI
SCHOLARLY CONCENTRATIONS
PROGRAMS OFFERED STATEWIDE

Public Health (launched 2019)

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

Student Participants

Class of 2024
Doriann Alcaide - Indianapolis
Cassandra Anderson - Fort Wayne
Joseph Ballard - Indianapolis
Courtney Casbon - South Bend
Zane Duke - Indianapolis
April Gettelfinger - Terre Haute
Shukurat Giwa - Fort Wayne
Madeline Hathoot - South Bend
Ayesha Khan - Fort Wayne
Nida Khan - Indianapolis
Carsyn Kranz - Fort Wayne
Taylor Luster - Indianapolis
Abhipri Mishra - Fort Wayne
Victor Olafusi - Indianapolis
Sophia Pardo - Indianapolis
Neal Patel - Indianapolis
Victoria Rone - Evansville
Courtney Seigel - Indianapolis
Lucas Turner - Evansville
Kaitlin Wendel - Indianapolis
Collin Wilkins - Indianapolis

Class of 2023
Kazeerat Adedokun - Fort Wayne
Nudar Bhuiya - Fort Wayne
Miranda Bouwer - Bloomington
James Brent - Terre Haute
Madison Dolan - Fort Wayne
Madeline Evans - Indianapolis
Yi Yan Heng - Indianapolis
Sarah Komanapalli - Indianapolis
Scott Liu - Indianapolis
Seth Losiewicz - Northwest
Amira Nafiseh - Indianapolis
Brian Niebuhr - West Lafayette
Francis Nwaneri - Fort Wayne
Shraya Patel - Indianapolis
Christina Salgado - Indianapolis
Melanie Scheive - Indianapolis
Jake Whiteside - West Lafayette
Allison Young - Indianapolis

Class of 2026 (leave of absence, graduate study)
Luke Brennan - Indianapolis
Alexa Petrucciani - Indianapolis

Student Participants

Class of 2024
Doriann Alcaide - Indianapolis
Cassandra Anderson - Fort Wayne
Joseph Ballard - Indianapolis
Courtney Casbon - South Bend
Zane Duke - Indianapolis
April Gettelfinger - Terre Haute
Shukurat Giwa - Fort Wayne
Madeline Hathoot - South Bend
Ayesha Khan - Fort Wayne
Nida Khan - Indianapolis
Carsyn Kranz - Fort Wayne
Taylor Luster - Indianapolis
Abhipri Mishra - Fort Wayne
Victor Olafusi - Indianapolis
Sophia Pardo - Indianapolis
Neal Patel - Indianapolis
Victoria Rone - Evansville
Courtney Seigel - Indianapolis
Lucas Turner - Evansville
Kaitlin Wendel - Indianapolis
Collin Wilkins - Indianapolis

Class of 2023
Kazeerat Adedokun - Fort Wayne
Nudar Bhuiya - Fort Wayne
Miranda Bouwer - Bloomington
James Brent - Terre Haute
Madison Dolan - Fort Wayne
Madeline Evans - Indianapolis
Yi Yan Heng - Indianapolis
Sarah Komanapalli - Indianapolis
Scott Liu - Indianapolis
Seth Losiewicz - Northwest
Amira Nafiseh - Indianapolis
Brian Niebuhr - West Lafayette
Francis Nwaneri - Fort Wayne
Shraya Patel - Indianapolis
Christina Salgado - Indianapolis
Melanie Scheive - Indianapolis
Jake Whiteside - West Lafayette
Allison Young - Indianapolis

Class of 2026 (leave of absence, graduate study)
Luke Brennan - Indianapolis
Alexa Petrucciani - Indianapolis

Staff, Mentors & Instructors

Jeffrey Peipert, MD, PhD, Chair, Department of Obstetrics and Gynecology
Javier Sevilla- Martir, MD, Assistant Dean for Diversity Affairs and Professor of Clinical Family Medicine
Mary Ciccarelli, MD, Morris Green Professor of Pediatrics
Sherri Bucher, PhD, Associate Professor of Pediatrics, Investigator, Global Network for Women’s and Children’s Research, USAID-AMPATH
Sarah Wiehe, MD, PhD, Associate Dean for Community and Translational Research

David Haggstrom, MD, Associate Professor of Medicine, Core Investigator, Veterans Affairs Health Services Research and Development Center for Health Information and Communication and Regenstrief Institute Research Scientist
Max Moreno, PhD, MEM, Associate Professor, Richard M. Fairbanks School of Public Health
Sarah Stelzner, MD, Assistant Professor of Clinical Pediatrics
Jacqueline Linnes, PhD, Assistant Professor of Biomedical Engineering, Weldon School of Biomedical Engineering, Purdue University

Fabian Esamai , MD, PhD, Department of Child Health and Pediatrics, Moi University
Osayame Ekhuaguer, MD, Assistant Professor of Clinical Pediatrics
Christopher Callahan , MD, Professor of Medicine, Investigator, Center for Aging Research, Regenstrief Institute, Inc., Director, Sandra Eskenazi Center for Brain Care Innovation
Megan McHenry, MD, Assistant Professor of Pediatrics
Caitlin Bernard, MD, Assistant Professor Clinical Obstetrics and Gynecology
Religion and Spirituality in Medicine (launched 2021)

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
Robert Saler, PhD, Research Professor in Religion and Culture, Christian Theological Seminary

Student Participants
Class of 2024
Nirupama Devanathan - Indianapolis
Evin George - Bloomington
Anthony Williams - Evansville
Inez Yu - Evansville
Scholarly Concentrations Program Scholarship

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

Promoting Regional Campus Excellence: The Scholarly Concentrations Program at Indiana University School of Medicine

Read the publication here.

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

Selected to present Recruiting to Regional Campuses: Using Scholarly Concentrations Model Across Eight Campuses at Indiana University School of Medicine in April 2020. Authors Deborah R. Birnbaum, MBA; Elizabeth Ryan, EdD; Paul M. Wallach, MD (cancelled due to COVID-19)

Presented at CHANGE MEDED 2019:

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

2nd Annual IU School of Medicine Education Day: Adaptability in Medical Education

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

Workshop: Educational Programs and Adaptability: A Systems Approach to Creating Adaptable Educational Programs. Authors Deborah R. Birnbaum, MBA; Daniel Corson-Knowles, MD; Michelle Rojas, MS; Kathy Lee

See the presentation here.

1st Annual IU School of Medicine Education Day: Bringing Fresh Perspectives to Medical Education

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; Paul M. Wallach, MD

See the presentation here.

The IUSM Scholarly Concentrations Program: Strategic Collaborative Education Across Schools and Departments. Authors Deborah R. Birnbaum, MBA; Daniel R. Corson-Knowles, MD; Michelle Rojas, MS; Paul M. Wallach, MD

See the presentation here.

Regional Medical Campuses: Leveraging Our Structure. Authors Deborah R. Birnbaum, MBA; Emily Walvoord, MD; Elizabeth R. Ryan EdD
# Leadership

## Scholarly Concentrations Program Team

Program Manager: Deb Birnbaum, MBA  
Program Coordinator: Michelle Rojas, MS  
Faculty Lead: Daniel Corson-Knowles, MD  
Executive Associate Dean for Educational Affairs and Chief Academic Officer: Paul Wallach, MD

## Scholarly Concentrations Program Ad-Hoc Committee

This committee is charged with reviewing scholarly concentration proposals and bringing recommendations to the Curriculum Council Steering Committee.

Bradley L. Allen, PhD, MD, Senior Associate Dean for Medical Education  
Fen-Lei Chang, Associate Dean and Director, IU School of Medicine-Fort Wayne  
Taihung (Peter) Duong, Associate Dean and Director, IU School of Medicine-Terre Haute  
Maureen A. Harrington, PhD, Associate Dean for Medical Student Education, Foundational Sciences, IU School of Medicine  
Laura Hinkle, MD, Assistant Professor of Clinical Medicine  
Charles N. Rudick, PhD, Assistant Director of Medical Education, IU School of Medicine-Bloomington  
Paige Schultheis, MD, Obstetrics and Gynecology Resident, IU School of Medicine

## Scholarly Concentrations Program Operations Team

Alison Banta, Educational Technology Specialist  
Deb Birnbaum, MBA, Scholarly Concentrations Program Manager  
Daniel Corson-Knowles, MD, Scholarly Concentrations Faculty Lead  
David Hanson, Data Analyst  
Scott Hemmerlein, Manager of Application Integration, Web and Business Intelligence  
Anthony Masseria, MSEd, Evaluation Program Manager  
Michelle Rojas, MS, Scholarly Concentrations Program Coordinator  
Lorie Shuck, MS, Director of Education Technology  
Doug Walters, Senior Analyst/Programmer  
Sarah Walsh, MPH, Assessment and Evaluation Specialist  
Amanda Ybarra, MA, Registrar

## Scholarly Concentrations Evaluation and Assessment Program Team

Deb Birnbaum, MBA, Scholarly Concentrations Program Manager  
Anthony Masseria, MSEd, Evaluation Program Manager  
Michelle Rojas, MS, Scholarly Concentrations Program Coordinator  
Sarah Walsh, MPH, Assessment and Evaluation Specialist  
Bradley L. Allen, PhD, MD, Senior Associate Dean for Medical Education
My concentration in Health Integration and Healthy Aging was diverse enough to truly apply to any field I would wish to pursue. This program has taught me how much of health care occurs out of the office or operating room, and I will carry this knowledge and skillset with me as I advance throughout my career.

SAM STEGELMANN, CLASS OF 2022, SCHOLARLY CONCENTRATION IN HEALTH INTEGRATION AND HEALTHY AGING, FORT WAYNE
Scholarly Concentrations Program
Visit website

INDIANA UNIVERSITY SCHOOL OF MEDICINE
Visit website