



**Elizabeth A. Shenkman, PhD**  
Department Chair,  
Health Outcomes & Biomedical Informatics

### Who We Are

At the Department of Health Outcomes and Biomedical Informatics (HOBI), we're changing the face and pace of health research. Our unique combination of clinical trials conducted in real world settings and novel use of health data results in trailblazing scientific discovery.

HOBI is leading innovation in translational research and biomedical informatics as we prepare the next generation to improve patient and population health in Florida and beyond.

### Department Leadership



**Ricky Whitney**  
*Director of  
Administrative Services*



**Carma Bylund, PhD**  
*Associate Chair of  
Education*



**Stephanie Staras, PhD**  
*Associate Chair of  
Faculty Development*



**Mei Liu, PhD**  
*Associate Director of  
Graduate Education*

### Research

HOBI researchers study many populations, ranging from the individual to big data sets with tens of millions of patients. The cross-fertilization of various fields and approaches enables our teams to provide new answers to essential health care questions. What works? For which patients or populations? Under which circumstances? Fields of research include:

- ▶ Implementation Science
- ▶ Biomedical Informatics
- ▶ Population Health
- ▶ Comparative Effectiveness
- ▶ Artificial Intelligence
- ▶ Learning Health Systems

### Divisions

HOBI faculty work collaboratively across three divisions to achieve dynamic, data-driven research, knowledge integration, and the improvement of care and quality. By increasing our understanding of best methods and overall effectiveness of medical treatments and interventions, our researchers are able to promote the successful integration of research findings into health care policy and practice.

#### Biomedical Informatics & Data Science



**Yi Guo, PhD**  
*Division Chief*

#### Clinical and Population Health Integration



**Todd Manini, PhD**  
*Division Chief*

#### Implementation Science and Health Interventions



**Ramzi Salloum, PhD**  
*Division Chief*

**\$30 million**  
research expenditures FY24

**\$3 million**  
growth over FY23

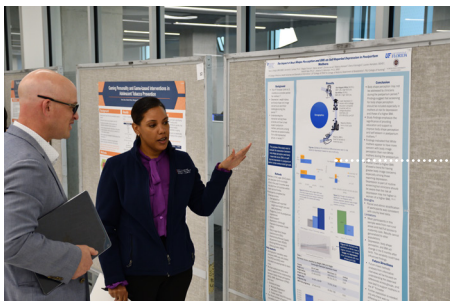
**210**  
active research projects

**236** employees | **35** faculty

**Education**

To teach and mentor the next generation of researchers and health care professionals, HOBI draws from our faculty’s multidisciplinary strengths. Our elite, graduate-level students develop and evaluate health interventions, treatments, prevention practices, and policies. They learn what works on a large-scale and why. HOBI offers the following graduate-level degree and certificate programs:

- ▶ **PhD in Medical Sciences**
  - ▶ Biomedical Informatics
  - ▶ Health Outcomes & Implementation Science
- ▶ **MS in Medical Sciences**
  - ▶ Biomedical Informatics
  - ▶ Health Outcomes & Implementation Science
- ▶ **Graduate Certificates**
  - ▶ Implementation Science
  - ▶ Biomedical Informatics



*Mentoring the next generation of leaders*

HOBI students receive an in-depth education reinforced through faculty mentorship and active participation in research.

**Our Major Collaborators**

Our faculty are recognized for their leadership and service in state and national organizations such as the Patient-Centered Outcomes Research Institute (PCORI), the Agency for Healthcare Research and Quality (AHRQ), the National Institutes of Health (NIH), and the American Medical Informatics Association (AMIA). HOBI faculty also hold major leadership roles in the UF Clinical and Translational Science Institute, the UF Institute for Child Health Policy, the UF Health Cancer Institute, and the OneFlorida+ Clinical Research Network.



**55**

degree seeking students

**13**

MS students

**42**

PhD students

**Graduate Careers**

As demand increases for a multi-disciplinary skill set in statistical analysis, research design, and evaluation and implementation, HOBI graduates are finding jobs in:

- ▶ Academic Settings
- ▶ Health Care Delivery Settings
- ▶ Industry



*A space for collaboration*

**Malachowsky Hall**

HOBI faculty work together to lead and teach cutting-edge research in the newest building on the UF campus.