

## A QUICK LOOK AT OUR TRANSLATIONAL RESEARCH

Translational research is specifically designed to help improve health outcomes by applying biological sciences and clinical trial techniques to critical health care issues.

### OUR TRANSLATIONAL RESEARCH

- Mapping the stomach's neural circuitry for stimulation: NIH stimulating Peripheral Activity to Relieve Conditions (SPARC) Grant
- 16s rRNA PCR and sequencing of small bowel microbiome
- Smooth muscle cell signaling pathway in patients with gastroparesis and small bowel dysmotility
- Non-invasive vagal nerve testing to monitor effects of Gastric Electrical Stimulation



**SCHOOL OF MEDICINE**  
INDIANA UNIVERSITY

**Department of Medicine**  
**GI Motility and Neurogastroenterology Unit**

### OUR ADDRESS

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Indianapolis, IN 46202

## GI MOTILITY & NEUROGASTROENTEROLOGY

R E S E A R C H



**INDIANA UNIVERSITY**  
SCHOOL OF MEDICINE

## ABOUT US

Our team is made up of highly qualified gastroenterologists, clinical psychologists, neurologists, pathologists, surgeons, radiologists, and other leading research collaborators. We are led by our director, Dr. John M. Wo, the first recipient of the Douglas Rex Professorship of Gastroenterology and Hepatology.

### Our GI Physicians

- John M. Wo (Director)
- Toyia James-Stevenson
- William Kessler
- Thomas Nowak
- Robert Siwiec
- Joel Wittles
- Andrea Shin

### Our Clinical Psychologist

- Anne Montero, *PhD*

### Our Researchers

- David Nelson, *PhD Division of Microbiology & Immunology*
- Paul Herring, *PhD Department of Cellular & Integrative Physiology*
- Matt Ward, *PhD Division of Gastroenterology and Hepatology and Biomedical Engineering, Purdue university*

### Research Staff

- Anita Gupta
- Miranda Williams
- Kim Hazel

## ABOUT OUR RESEARCH

We are currently engaged in clinical, translational, and device research. We also have collaborative research with the Department of Cellular and Integrative Physiology at Indiana University and with the Center of Implantable Devices at Purdue University's School of Biomedical Engineering.

### OUR RESEARCH AREAS

- Gastroparesis
- Gastric Electrical Stimulation (GES) for Gastroparesis
- Eosinophilic Esophagitis
- Small Intestine Bacterial Overgrowth (SIBO)
- Irritable Bowel Syndrome (IBS) Pathology
- GI Neuromuscular

### A FEW CURRENT STUDIES

- Survey-based study of racial differences in prevalence of IBS and IBS subtype among young adults
- Risk factors for coliform SIBO
- GI neuromuscular registry

## GET INVOLVED



There are a variety of ways to get involved with us. From participating in research to donating to the GI Motility Fund. Our group also provides access to our cutting-edge GI Motility Clinics and Motility Labs through doctor referrals and research visits. If you are interested in learning more about GI Motility and Neurogastroenterology research at IUSM, your IU physician and our research staff are happy to help answer any questions or discuss any concerns that you may have.

## CONTACT US ▲

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<http://medicine.iupui.edu/GAST/programs/motility-center/>

# RESEARCH IS AN INTEGRAL PART OF HEALTH CARE ▲