

*Research is an integral part of
Health Care.*

*Indiana University GI Motility
and Neurogastroenterology Unit
is conducting various clinical
trials to help the community and
to advance the understanding of
GI Motility disorders*

**Help get GI Motility and
Neurogastroenterology
Research on the run!**



Motility Research

[http://medicine.iupui.edu/gimot/studies/
research/clinical](http://medicine.iupui.edu/gimot/studies/research/clinical)

CONTACT:

Anita Gupta - anigupta@iu.edu

Miranda Williams - mw39@iu.edu

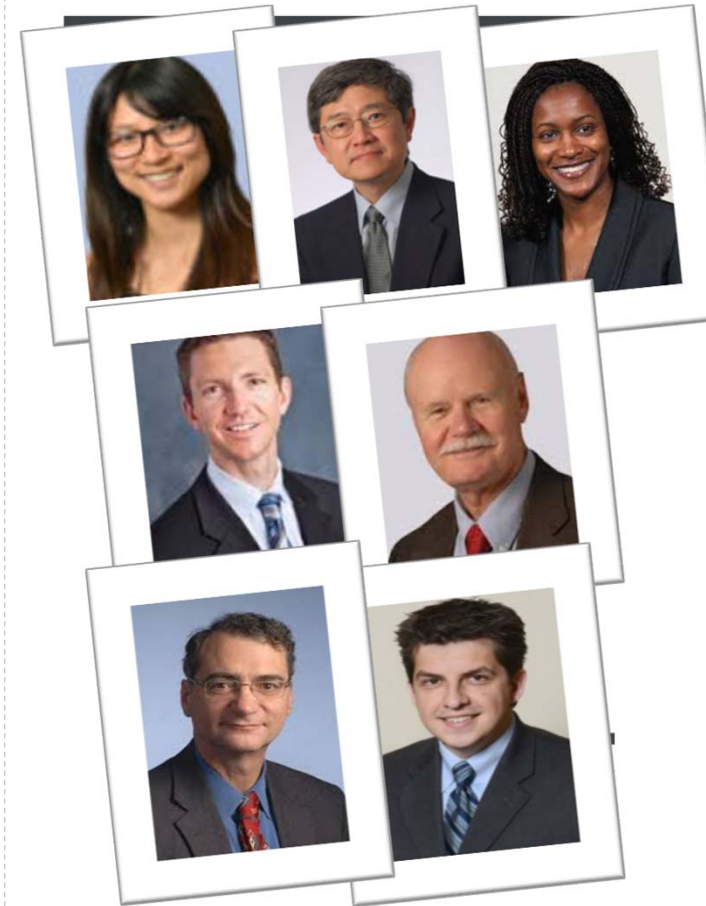
ADDRESS:

550 North University Blvd. UH 1634

Indianapolis, IN 46202

Tel: 317-948-9227

Fax: 317-948-0164



INDIANA UNIVERSITY

SCHOOL OF MEDICINE

*GI Motility and
Neurogastroenterology
RESEARCH*

Current Research for Patients

Eosinophilic Esophagitis

- Anti-IL 13 antibody induction and maintenance therapy for adolescents & adults

Gastroparesis

- Utilization of SmartPill wireless capsule and gastric emptying scan
- Escalating temporary gastric electrical stimulation (GES) for severe gastroparesis
- Domperidone therapy
- Nasal metoclopramide spray therapy
- Non-invasive vagal nerve testing to monitor effects of GES
- Oral motilin receptor agonist
- *Velusetrag therapy, a serotonin (5-HT4) agonist

Small Intestinal Bacterial Overgrowth

- Risk factors for coliform bacteria overgrowth in small bowel

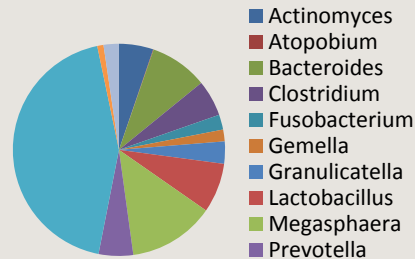
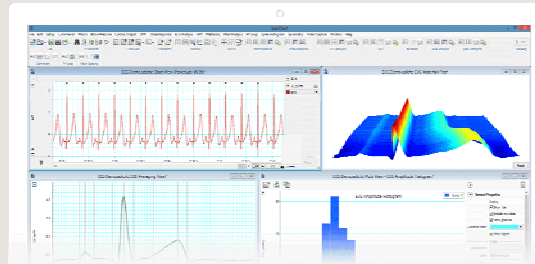
Others

- GI neuromuscular registry
- New esophageal stent
- *Short Bowel Syndrome



**Coming soon*

Translational Research



- Functional neuroimaging of the brain-gut axis in functional GI disorders
- 16S rRNA PCR and sequencing of small bowel microbiome
- Smooth muscle cell signaling pathway in patients with gastroparesis and small bowel dysmotility
- Differential vagal afferent effects of GES in an animal model
- Non-invasive vagal nerve testing to monitor effects of GES

Updated on July 1, 2015

Research Team

GI Physicians

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

Researchers

- David Nelson, Department of Microbiology & Immunology
- Andrew Saykin, IU Center of Neuroimaging
- Paul Herring, Department of Cellular & Integrative Physiology
- Pedro Irazoqui, Biomed Engineering, Purdue University
- Matt Ward, Biomed Engineering, Purdue University

Research Staff

- Anita Gupta
- Miranda Williams
- Ashley Willis



GI Motility and Neurogastroenterology