



EMORY MICROBIOME RESEARCH CENTER INAUGURAL SYMPOSIUM

Date: August 15th and 16th

Woodruff Health Sciences Center Auditorium and Plaza

August 15th:

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|---------------------|---|---|
| 8:00 AM - 8:30 AM | Welcome | Dr. Roberto Pacifici, Dr. Jonathan Lewin, Dr. David S. Stephens, Dr. Andrew Neish |
| 8:30 AM - 9:30 AM | Rodney Newberry | Morning Keynote - Interactions of the immune system with diet and gut microbes |
| 9:30 AM - 10:00 AM | Roberto Pacifici | Microbiome, probiotics and bone |
| 10:00 AM - 10:30 AM | Luisa Cervantes | Diet, microbiota and T cell interactions. |
| 10:30 AM - 10:45 AM | Morning Break | |
| 10:45 AM - 11:15 AM | Tim Denning | Early-life microbiota regulates intestinal stem cell dynamics and colonic tumorigenesis |
| 11:15 AM - 11:45 AM | Tim Sampson | Functional roles for the gut microbiome in amyloid disease |
| 11:45 AM - 12:15 PM | Karen Levy | Environmental Influences on the gut microbiome and implications for child health outcomes in low-income settings |
| 12:15 PM - 1:00 PM | Lunch Break | Plaza Level |
| 1:00 PM - 2:00 PM | Gary Wu | Afternoon Keynote - "You are what your bugs eat!!" Diet, the gut microbiota, and its metabolome in health and disease |
| 2:00 PM - 2:30 PM | Andrew Neish | Influence of the microbiota on hepatic metabolism |
| 2:30 PM - 2:50 PM | Colleen Kraft | The drug resistant gut microbiome has a new competitor |
| 2:50 PM - 3:10 PM | Afternoon Break | |
| 3:10 PM - 3:30 PM | Anne Dunlop | The microbiome and preterm birth in african american women. |
| 3:30 PM - 3:50 PM | Irene Yang | Exploring the oral microbiome of older adults with mild cognitive impairment |
| 3:50 PM - 4:10 PM | Nicole Gerrardo | Leveraging insect-microbe associations to lessen the spread of agricultural pathogens |
| 4:10 PM - 4:30 PM | Nic Vega | Common ground in microbiome assembly |
| 4:30 PM - 6:30 PM | Reception and Poster Presentation on the Plaza Level | |

August 16th:

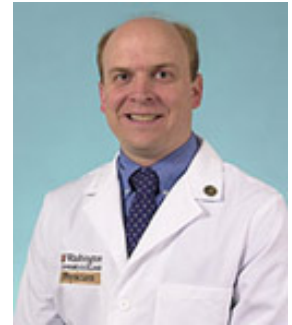
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| 8:00 AM - 8:30 AM | Alicia Smith | Welcome and Overview- Dr. Alicia Smith |
| 8:30 AM - 10:00 AM | Pavan Kale & Chris Riddle | AWS@Emory |
| 10:00 AM - 10:30 AM | Michael Zwick | EIGC overview |
| 10:30 AM - 11:00 AM | Alicia Smith | Study design |
| 11:45 AM - 11:45 AM | Anna Knight | Qiime2 overview |
| 11:45 AM - 12:00 PM | Rich Johnston | EICC overview |
| 12:00 PM - 1:00 PM | | Lunch on the Plaza Level |
| 1:00 PM - 2:00 PM | Anna Knight | Quality control and feature tables |
| 2:00 PM - 4:00 PM | Anna Knight | Data analysis |
| 4:00 PM - 5:00 PM | | Office Hours |



Keynote Speakers:

Rodney Newberry, MD
Professor, Internal Medicine (Gastroenterology, Immunology)
Washington University School of Medicine

The intestinal immune system is continuously exposed to antigens ranging from innocuous food substances to potential pathogens. In this challenging environment the intestinal immune system must both protect the host from infection and mitigate potential damage from over exuberant immune responses to innocuous antigens. Studies in our lab revolve around two themes investigating how the intestinal immune system accomplishes this delicate balancing act. The first body of work investigates how intestinal dendritic cells appropriately guide immune responses to the wide array of antigens encountered in the intestine. The second body of work investigates the formation and function of a newly appreciated class of intestinal lymphoid tissues, isolated lymphoid follicles (ILFs).



Gary Wu, MD
Ferdinand G. Weisbrod Professor in Gastroenterology at the Perelman School of Medicine at the University of Pennsylvania and Associate Director of the Center for Molecular Studies in Digestive and Liver Disease.

He is currently Director and Chair of the Scientific Advisory Board for the American Gastroenterological Association Center for Gut Microbiome Research and Education and is an elected member of both the American Society for Clinical Investigation and the American Association of Physicians. The current research programs in his laboratory focus on the mutualistic interactions between the gut microbiota and the host with a particular focus on metabolism.

Microbiome Research Center Steering Committee

Chair: Roberto Pacifici, MD

Members:

- Elizabeth Corwin, PhD, RN
- Vicki Hertzberg, PhD
- Rich Johnston, PhD
- Rheinallt Jones, PhD
- Colleen Kraft, MD, MSc
- Karen Levy, PhD, MPH
- Andrew Neish, MD
- Timothy Read, PhD
- Alicia Smith, PhD
- Michael Zwick, PhD



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