Gastrointestinal Response to Injury - Preliminary Program

Tuesday, Sept. 28

Conference Chairs: Richard M. Peek, Jr., MD, AGAF & Jonathan D. Kaunitz, MD

6:30 – 7:30 p.m.  **Keynote Address:** Host-bacteria Homeostasis in the Healthy and Inflamed Gut  
*Philipe J. Sansonetti, MD*

7:30 – 9 p.m.  Welcome Reception

**Wednesday, Sept. 29**

7:30 – 8:45 a.m.  Breakfast

**Part I: Host Responses that Mediate Gastrointestinal Repair**

9 a.m. – Noon  **Session One:** Innate Epithelial Defense Mechanisms  
**Chairs:** Asma Nusrat, MD & Marshall H. Montrose, PhD

Role of the Intestinal Barrier and Polarization in Inflammation and Injury  
*Asma Nusrat, MD*

Signals that Activate Nod-like Receptors in Health and Disease  
*Dana Philpott, PhD*

Guardians of the Gut: Newly Appreciated Roles for Epithelial Toll-like Receptors  
*Andrew T. Gewirtz, PhD*

Ecto-purinergic Regulation of Protective Duodenal Alkaline Surface pH  
*Jonathan D. Kaunitz, MD*

Epithelial Gaps in the Stomach and Small Intestine  
*Marshall H. Montrose, PhD*

Noon – 1:30 p.m.  Lunch

1:30 – 3:30 p.m.  At leisure

3:30 – 5:30 p.m.  Poster Session

5:30 – 6 p.m.  Young Investigator/Fellow Oral Presentations of Selected Posters

6 – 7:30 p.m.  Dinner

7:30 – 9:30 p.m.  **Session Two:** Regulators and Effectors of Gut Inflammation  
**Chairs:** Balfour Sartor & Kenneth Croitoru, MD, AGAF
Wnt-mediated Hedgehog Signaling and Gastrointestinal Inflammation
Deborah L. Gumucio, PhD

Adenosine Receptors that Mediate Gut Inflammation
Peter B. Ernst, DVM, PhD

T-cell Induced Mucosal Damage in the Intestine
Kenneth Croitoru, MD, AGAF

Novel translational models for understanding IBD
R. Balfour Sartor, MD

Thursday, Sept. 30

7:30 – 8:45 a.m. Breakfast

Part II: Agents and Mechanisms of Gastrointestinal Injury

9 a.m. – Noon Session Three: O$_2$, Nitric Oxide, and NSAIDs in Upper GI Mucosal Injury
Chairs: Keith T. Wilson, MD, AGAF & Sheila E. Crowe, MD, AGAF

Polyamine-mediated Oxidative Stress
Keith T. Wilson, MD, AGAF

Hypoxia and Gastrointestinal Disease
Sean P. Colgan, PhD

Hypoxic Regulation of NF- B Signaling in the Gut
Cormac T. Taylor, PhD

Role of Oxidative and Nitrosative Stress in Gastric Pre-neoplasia
Sheila E. Crowe, MD, AGAF

Strategies to Minimize Injury from Anti-inflammatory Compounds
John L. Wallace, PhD, MBA, FRSC

Noon – 1:30 p.m. Lunch

1:30 – 5:30 p.m. At leisure

5:30 – 6 p.m. Special Lecture: Stem Cells as Mediators of Repair and Injury
Sir Nicholas A. Wright, MD, PhD, AGAF

6 – 7:30 p.m. Dinner

7:30 – 9:30 p.m. Session Four: Microbial and Host Mediators of Repair and Disease
Chairs: Andrew T. Gewirtz, PhD & Gail A. Hecht, MD, MS, AGAF
Stealth Entry into Gastrointestinal Epithelial Cells by Microbial Pathogens
Manuel Amieva, MD

Innate Immune Responses to Commensal Bacteria in the Gut Epithelium
Andrew T. Gewirtz, PhD

Epithelial Responses to Pathogenic E.coli
Gail A. Hecht, MD, AGAF

Salmonella Infections and Chronic Intestinal Inflammation
Beth A. McCormick, PhD

Friday, Oct. 1
7:30 – 8:45 a.m. Breakfast

Part III: Consequences of Gastrointestinal Injury
9 a.m. – Noon
Session Five: Healing, Repair and Carcinogenesis
Chairs: Gary D. Wu, MD & Juanita L. Merchant, MD, PhD

Relmß and Inflammatory Bowel Disease
Gary D. Wu, MD

Dysregulation of apical-junctional complexes and inflammation
Jerrold R. Turner, MD, PhD, AGAF

Pre-malignant consequences of EGFR-mediated tissue repair
D. Brent Polk, MD, AGAF

Regulatory peptides and cytokines in gastrointestinal homeostasis and disease
Juanita L. Merchant, MD, PhD

Novel effectors of inflammation-mediated cancer
JeanMarie N. Houghton, MD, PhD, AGAF

Noon – 1:30 p.m. Lunch
1:30 – 4:30 p.m. At leisure
4:30 – 6:30 p.m. Session Six: Clinical Manifestations of Gastrointestinal Inflammation
Chairs: Vincent W. Yang, MD, PhD & Maria T. Abreu, MD

Inflammation and Sporadic Colorectal Cancer
Vincent W. Yang, MD, PhD

Barrett’s-mediated Esophageal Adenocarcinoma
Rhonda F. Souza, MD, AGAF
Gluten Enteropathies
*Ciaran P. Kelly, MD*

Inflammatory Bowel Disease
*Maria T. Abreu, MD*

6:30 – 10 p.m. Dinner

**Saturday, Oct. 2**

6 – 9 a.m. Breakfast

9 a.m. Departures