American College of Gastroenterology
WCOG at ACG2017 Scientific Meeting and Postgraduate Course
October 13-18, 2017, Orlando, FL

**GI Pathophysiology Course**
Friday, October 13, 2017

**Course Directors:** Darwin L. Conwell, MD, MS, and Ikuo Hirano, MD, FACG

This half-day course illustrates the mechanisms behind novel diagnostic strategies, helps to formulate a plan using appropriate testing methodologies, and offers practical implementation strategies.

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**Current and Future Clinical Applications of the Microbiome in GI Disease**
Eamonn M. M. Quigley, MD, MACG
Assess the role of the enteric microbiome and metabolome and the potential use of probiotics in various GI disorders including C. difficile infection.

**Scientific Basis for Novel Immunologic Approaches to IBD**
Miguel D. Regueiro, MD, FACG
Apply concepts regarding the immunologic basis for novel biologic therapies to the management of IBD.

**When, Why, and How to Apply Molecular and Genetic Testing to Colon Polyps and Cancer**
Elena M. Stoffel, MD, MPH
Formulate an approach to the use of molecular and genetic testing in the evaluation and management of colon polyps and cancer.

**Celiac Disease: Novel Therapeutic Approaches Beyond Gluten Withdrawal**
Peter H. R. Green, MD, FACG
Identify the mechanisms behind novel diagnostic strategies and pharmacologic approaches for patients with celiac disease.

**Management of Eosinophilic Esophagitis: Food Allergy or Acid Reflux?**
Nirmala Gonsalves, MD
Describe the rationale and practical approach for using proton pump inhibitors and elimination diet therapies in the management of eosinophilic esophagitis.

**Interpretation and Therapeutic Implications of Physiologic Testing in the Management of Refractory Reflux**
John O. Clarke, MD
Identify the pearls and pitfalls in the use of motility, impedance, and pH testing in the assessment of patients with refractory reflux disease.

**Mechanistic Underpinnings for the Management of Refractory Constipation**
Darren M. Brenner, MD
Apply concepts regarding the physiologic basis of constipation to inform therapeutic decisions for patients with refractory constipation.