Toxicology and Pathology of the Gastrointestinal and Exocrine Pancreas System
September 23–26, 2018
Chauncey Center, Princeton, New Jersey

Sunday, September 23
6:00 PM–8:00 PM Buffet Dinner for Overnight Guests of Chauncey Center

Monday, September 24
Morning Session: Overview of GI
7:30 AM–8:00 AM Registration
8:00 AM–8:15 AM Welcome and Introduction
Melissa Schutten, DVM, PhD, DACVP, Genentech, and Tracy Carlson, BS, DVM, PhD, DACVP, MPI Research
8:15 AM–9:00 AM Comparative Anatomy and Physiology of the Colon
Rani Sellers, DVM, PhD, DACVP, Pfizer, Inc.
9:00 AM–10:00 AM Comparative Anatomy and Physiology of the Esophagus, Stomach, and Small Intestine
Rani Sellers, DVM, PhD, DACVP, Pfizer, Inc.
10:00 AM–10:15 AM Break
10:15 AM–11:00 AM Food for Thought: Nonclinical Case-Based Perspectives
Molly Boyle, DVM, MPH, DACVP, FIATP, Envigo++++
11:00 AM–12:00 Noon Case Studies
12:00 Noon–1:00 PM Lunch
Afternoon Session: Nonhuman Primate Diarrhea, In Vitro Systems, Microbiome Xenobiotic Metabolism
1:00 PM–2:00 PM Overview of Diarrhea in Nonhuman Primates
Steven Laing, BVMS(Hons), PhD, DACVP, Genentech
2:00 PM–3:00 PM Novel In Vitro Systems to Probe GI Toxicity (MPS/Organoids)
Sunish Mohanan, BVSc, MS, PhD, DACVP, GlaxoSmithKline
3:00 PM–3:15 PM Break
3:15 PM–4:15 PM Utilizing In Vitro Systems for Preclinical Toxicity Derisking/Risk Assessment (Case Examples)
Sunish Mohanan, BVSc, MS, PhD, DACVP, GlaxoSmithKline
4:15 PM–5:00 PM DMPK of GI; Impact of Microbiome on Drug Metabolism
Julia Cui, PhD, University of Washington

Tuesday, September 25
Morning Session: Inflammatory GI Disease, Animal Models of Disease, Microbiome
8:00 AM–9:00 AM IBD and Mucosal Immunology
Laura Diehl, DVM, PhD, DACVP, Genentech
9:00 AM–10:00 AM A 3D Perspective on the Gut Microbiome: Dysbiosis, Dysfunction, and Disease
Ingrid Bergin, VMD, MS, DACVP, DAACLAM, University of Michigan
10:00 AM–10:15 AM Break
10:15 AM–11:15 AM Carcinogenesis: Models, Notables, Proliferations
Molly Boyle, DVM, MPH, DACVP, FIATP, Envigo++++
11:15 AM–12:00 Noon Overview of Exocrine Pancreas: Structure, Function, and Lesions
John Vahle, DVM, PhD, DACVP, Eli Lilly
12:00 PM–1:00 PM Lunch
Afternoon Session: Exocrine Pancreas
1:00 PM–2:00 PM Emerging Translational Pancreatic Injury Biomarkers
Warren Glaab, PhD, Merck
2:00 PM–3:00 PM Exocrine Pancreas Carcinogenesis: Animal Models and Risk Assessment
Melissa Schutten, DVM, PhD, DACVP, Genentech
3:00 PM–4:00 PM Case Study: Drug-Related Toxicity at the Endocrine-Exocrine Interface in Rats: An Investigative Approach
Leah Schutt, DVM, DVSc, DACVP, DABT, Genentech

Wednesday, September 26
Morning Session: Tooth and Case Studies
8:30 AM–9:30 AM Tooth Anatomy, Physiology, Toxicology
Andrew Suttie, BVSc, PhD, Covance
9:30 AM–10:30 AM Case Studies/Slide Review
10:30 AM–10:45 AM Break
10:45 AM–11:45 AM Case Studies/Slide Review
Material from Course Participants
11:45 AM–12:00 Noon Course Wrap-Up
Melissa Schutten, DVM, PhD, DACVP, Genentech, and Tracy Carlson, BS, DVM, PhD, DACVP, MPI Research