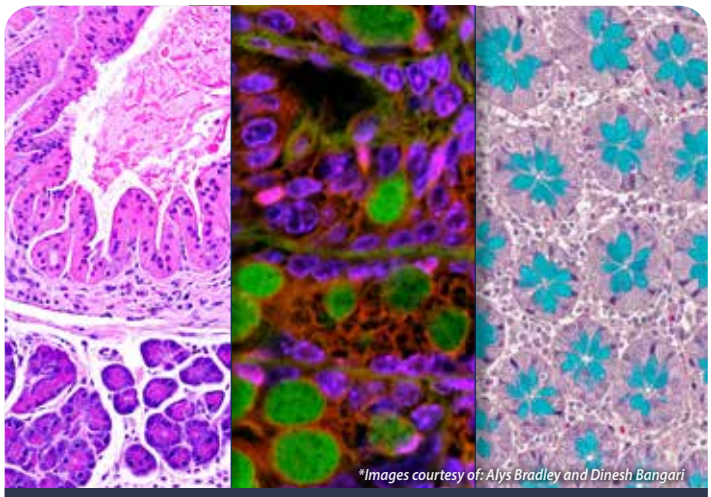
Society of Toxicologic Pathology


*Images courtesy of: Alys Bradley and Dinesh Bangari

October 12–28, 2026
(Mondays and Wednesdays, 10:00 AM–2:00 PM EDT)

STP Virtual Modular Education Course:
Digestive System Pathology

REGISTRATION OPEN
For more course information and registration, visit www.toxpath.org

Course Objective
The objective of the STP Modular Education Course, Digestive System Pathology, is to provide a practical framework for evaluating pathology of the gastrointestinal tract and associated digestive organs in nonclinical toxicology studies. The course emphasizes histology, species differences, spontaneous and treatment-related findings, and interpretation of lesions. Participants will strengthen their ability to distinguish background from treatment-related changes and integrate histopathology with clinical pathology, biomarkers, and mechanistic context. Emerging topics, including translational relevance, cutting-edge molecular pathology tools, and artificial intelligence in toxicologic pathology, are also included.

Course Description
The course will be a mixture of didactic lectures and case studies. Topics covered include:

- Overview of digestive system anatomy, physiology, and INHAND terminology
- Contemporary approaches for evaluating digestive system structure and function
- Digestive system considerations across therapeutic modalities
- Regulatory, translational, and case based perspectives on interpreting digestive system findings in safety assessment
- Plus, many more!

Who Should Attend
The STP Modular Education courses are designed with the novice toxicologic pathologist in mind; however, pathology residents/graduate students with an interest in toxicologic pathology or experienced pathologists who desire a more in-depth review of digestive system pathology will also benefit from the course.

Questions and Special Accommodations
For any questions, please contact STP Headquarters at stp@toxpath.org.

Faculty
- **Course Chair:** Kristofer Michalson, DVM, PhD, DACVP, Bristol Myers Squibb
- **Course Co-Chair:** Dinesh Bangari, BVSc, MVSc, MS, PhD, DACVP, Sanofi
- **Course Scientific Advisor:** Alys Bradley, BVSc, Charles River Laboratories
- **Course Scientific Advisor:** Ingrid Cornax, BS, DPhil, DVM, Altos Lab
- **Course Scientific Advisor:** Odete Mendes, DVM, PhD, DACVP, DABT, Merck & Co. Inc
- **Course Scientific Advisor:** Jagannatha (Jay) Mysore, MVSc, PhD, DACVP, Asklepios BioPharmaceutical
- **Course Scientific Advisor:** Jerrold Ward, DVM, PhD, DACVP, FIATP, Global VetPathology

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- Liza Bau-Gaudreault, DVM, MSc, DES, DACVP, Charles River Laboratories
- Ingrid Bergin, VMD, MS, DACVP, DACLAM, University of Michigan
- Caroline Chu, MS, DVM, DACVP, Charles River Laboratories
- Julia Co, PhD, Genentech
- Mark Fineman, MS, PhD, Travere Therapeutics
- Tom Forest, DVM, PhD, DACVP, Merck & Co.
- Kristi Helke, DVM, PhD, DACVP, Medical University of South Carolina
- Tiffany Jenkins, DVM, PhD, DACVP, Merck & Co.
- Kristel Kegler, DVM, PhD, Dipl.ECVP, AnaPath Service GmbH
- Rie Kikkawa, DVM, PhD, DACVP, DABT, DJCVP, DJSOT, Novartis BioMedical Research
- Pankaj Kumar, BVSc, MVSc, PhD, DACVP, DABT, AbbVie
- Keith Mansfield, DVM, Novartis BioMedical Research
- Ricardo de Miguel, DVM, MScRes, PhD, DECVP, Anapath Services GmbH
- Sunish Mohanan, DVM, MS, PhD, DACVP, Gilead Sciences
- Thomas Nolte, DVM, MSc, FITP, FATS, Boehringer Ingelheim
- Arun Pandiri, BVSc&AH, MS, PhD, DACVP, DABT, FIATP, FATS, NIEHS DTT
- Smitha Pillai, DVM, MS, PhD, DACVP, DABT, Pfizer Inc.
- Nathaniel Roscoe, MS, Johnson & Johnson Innovative Medicine
- Mary Kay Washington, MD, PhD, Vanderbilt University
- Klaus Weber, DVM, MSc.Biol, DJSTP, PhD, Anapath Services GmbH
- Julie White, DVM, DACVP, Inotiv
- Enrico Vezzali, DVM, PhD, F. Hoffmann-La Roche Ltd

Course Registration

STP Member	**$875.00**
Nonmember	**$1,095.00**
Student*	**$105.00**
STP Member Group Rate§	**$775.00**
Nonmember Group Rate§	**$995.00**

**A letter of verification from a department chair must accompany student registration.*

§Three or more from the same company.

Cancellation Policy
A written request for cancellation must be received by STP Headquarters no later than September 15, 2026. The registration fee will be refunded less a $75 processing fee. No refunds will be issued after September 15, 2026. STP reserves the right to cancel the course, in which case all registrants will receive a full refund

Virtual Attendance
Presentations will be offered virtually from 10:00 AM–2:00 PM EDT on Mondays and Wednesdays.

Access to the downloadable course materials and Zoom login information for the live sessions will be provided in advance.

Course presentations will be recorded and made available to registrants for 3 months.

Agenda subject to change.

Week 1

Monday, October 12

10:00 AM–10:10 AM	**Welcome and Introduction**
10:10 AM–11:00 AM	**The Normal Digestive System—Anatomy & Histology** Ingrid Bergin, *VMD, MS, DACVP, DACLAM, University of Michigan*
11:00 AM–11:30 AM	**Target Spatial Phenotyping in the Gastrointestinal Tract** Nathaniel Roscoe, *MS, Johnson & Johnson Innovative Medicine*
11:30 AM–12:00 Noon	**Digesting the Data: Clinical Pathology Along the GI Tract and Exocrine Pancreas** Liza Bau-Gaudreault, *DVM, MSc, DES, DACVP, Charles River Laboratories*
12:00 Noon–12:30 PM	**Discussion and Break**
12:30 PM–1:30 PM	**The Rat Incisor in Toxicologic Pathology** Pankaj Kumar, *BVSc, MVSc, PhD, DACVP, DABT, Abbvie*

Wednesday, October 14

10:00 AM–11:00 AM	**Spontaneous Non-Proliferative Lesions of the Dog Digestive Tract** Enrico Vezzali, *DVM, PhD, F. Hoffmann-La Roche Ltd*
11:00 AM–12:00 Noon	**Porcine and Translational Models in the Gastrointestinal Tract** Kristi Helke, *DVM, PhD, DACVP, Medical University of South Carolina*
12:00 Noon–12:30 PM	**Discussion and Break**
12:30 PM–1:15 PM	**Mechanism, Target, Trial: How Molecular Pathobiology Is Reshaping the IBD Pipeline** Sunish Mohanan, *DVM, MS, PhD, DACVP, Gilead Sciences*
1:15 PM–2:00 PM	**Using Histopathology, Immunohistochemistry, and Proteomics to Evaluate IBD Mouse Models and Predict Treatment Response** Julie White, *DVM, DACVP, Inotiv*

Week 2

Monday, October 19

10:00 AM–11:00 AM	**Chemical/Pharmacological Classes and their Gastrointestinal Tract Pathology** Thomas Nolte, *DVM, MSc, FITP, FATS, Boehringer Ingelheim*
11:00 AM–12:00 Noon	**Toxic Digestive Tract Injury — Acute Injury, Repair & Regeneration, Chronic Effects** Rie Kikkawa, *DVM, PhD, DACVP, DABT, DJCVP, DJSOT, Novartis BioMedical Research*
12:00 Noon–12:30 PM	**Discussion and Break**
12:30 PM–1:30 PM	**Rodent Gastrointestinal Carcinogenesis** Jerrold Ward, *DVM, PhD, DACVP, FIATP, Global VetPathology*
1:30 PM–2:00 PM	**Deciphering Taste Disorders: Mechanistic Insights and Nonclinical Evaluation** Smitha Pillai, *DVM, MS, PhD, DACVP, DABT, Pfizer Inc.*

Wednesday, October 21

10:00 AM–10:45 AM	**Pancreas Histology, Function & Non-Neoplastic/Neoplastic INHAND Lesions** Tiffany Jenkins, *DVM, PhD, DACVP, Merck & Co.; Tom Forest, DVM, PhD, DACVP, Merck & Co.*
10:45 AM–11:30 AM	**Emerging Translational Safety Biomarkers for Monitoring Drug-induced Pancreatic Injury: Evaluation of Protein and microRNA Candidates** Warren Glaab, *PhD, Merck & Co.*
11:30 AM–12:00 Noon	**PK and Impact of Gastric Emptying Delay, with Respect to Incretins** Shweta Urva, *PhD, Eli Lilly and Company*
12:00 Noon–12:30 PM	**Discussion and Break**
12:30 PM–1:30 PM	**Toxicologic Pathology of Incretin-Based Therapies** Arun Pandiri, *BVSc&AH, MS, PhD, DACVP, DABT, FIATP, FATS, NIEHS DTT*
1:30 PM–2:00 PM	**GLP-1 Toxicity in Stomach (Gastric Paresis, Emptying)** Mark Fineman, *MS, PhD, Travere Therapeutics*

Week 3

Monday, October 26

10:00 AM–11:00 AM	**Salivary and Other Gastrointestinal Glands in Laboratory Species: Histology, Pathology, and Neoplasia in Rodent and Non-Rodent Species and Relevance of Findings to Humans** Klaus Weber, *DVM, MSc.Biol, DJSTP, PhD, Anapath Services GmbH;* Ricardo de Miguel, *DVM, MScRes, PhD, DECVP, Anapath Services GmbH*
11:00 AM–12:00 Noon	**Use of Molecular Approaches in Digestive Disease Pathogenesis** Keith Mansfield, *DVM, Novartis BioMedical Research*
12:00 Noon–12:30 PM	**Discussion and Break**
12:30 PM–1:30 PM	**NAMS of the Gastro-Intestinal Tract** Julia Co, *PhD, Genentech*

Wednesday, October 28

10:00 AM–11:00 AM	**Histopathology of Drug Injury in the Gastrointestinal Tract of Humans** Mary Kay Washington, *MD, PhD, Vanderbilt University*
11:00 AM–11:30 AM	**Framing Data with Weight of Evidence / Risk Assessment** Kristel Kegler, *DVM, PhD, Dipl.ECVP, AnaPath Service GmbH*
11:30 AM–12:00 Noon	**Discussion and Break**
12:00 Noon–1:30 PM	**Mystery Cases** Kristofer Michalson, *DVM, PhD, DACVP, Bristol Myers Squibb;* Rie Kikkawa, *DVM, PhD, DACVP, DABT, DJCVP, DJSOT, Novartis BioMedical Research;* Liza Bau-Gaudreault, *DVM, MSc, DES, DACVP, Charles River Laboratories;* Caroline Chu, *MS, DVM, DACVP, Charles River Laboratories*

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