Advanced Comprehensive Toxicology

August 8–12, 2016
Gaithersburg, Maryland
United States

Course Description

The American College of Toxicology (ACT) is offering an advanced course, “Advanced Comprehensive Toxicology,” to complement “Toxicology for Pharmaceutical and Regulatory Scientists.” In this five-day intensive course, attendees will be provided detailed descriptions of the principles of toxicology, effects of xenobiotics on organ systems, discussions of specific classes of toxicants, mechanisms of toxicity, risk assessment, and other contemporary toxicological concepts. The content of this course will provide information that could be helpful to those seeking certification in toxicology or to those seeking more advanced training in toxicology. The faculty consists of well-recognized experts in their field and most are Board Certified by the American Board of Toxicology.

Sunday, August 7
Orientation and Reception

Monday, August 8
General Principles of Toxicology/Mechanisms of Toxicity
Lorrene Buckley, Eli Lilly and Company
Toxicokinetics/Pharmacokinetics
Clay B. Frederick, CBF Safety Assessment Consulting, LLC

Biotransformation
Mary Beth Genter, University of Cincinnati

Molecular Toxicology
J. Craig Rowlands, UL Information & Insights, Underwriters Laboratories LLC

Tuesday, August 9
Gentoxicity
Les Recio, Integrated Laboratory Systems, Inc.

Carcinogenesis
Susan A. MacKenzie, SMacKenzie Toxicology Consulting, LLC

Nervous System Toxicology
Mary Beth Genter, University of Cincinnati

Liver Toxicology
William J. Brock, Brock Scientific Consulting, LLC

Wednesday, August 10
Kidney Toxicology
Susan Emeigh Hart, Boehringer Ingelheim

Respiratory Toxicology
Gregory L. Finch, Pfizer Global R&D

Hematopoietic and Immune Systems Toxicology
Kenneth L. Hastings, Hastings Toxicology Consulting

Developmental and Reproductive Toxicology
Raymond G. York, RG York & Associates, LLC

Thursday, August 11
Cardiovascular System Toxicology
Simon Authier, CiToxLAB North America

Solvents and Vapors
Mary Beth Genter, University of Cincinnati

Foods
Richard W. Lane, PepsiCo

Metals
Ranulfo Lemus, UES Inc.

Pesticides
Lydia Cox, Nichino America, Inc.

Friday, August 12
Forensics/Epidemiology/Biostatistics/Occupational Health
John E. Snawder, CDC-NIOSH

Risk Assessment
Lynne Haber, University of Cincinnati

Agents, Odds and Ends
William J. Brock, Brock Scientific Consulting, LLC

Practice Exam