

Practical Reproductive and Developmental Toxicology



THE
TERATOLOGY
SOCIETY
BIRTH DEFECTS RESEARCH • EDUCATION • PREVENTION
EST. 1960

May 13–17, 2019 | Gaithersburg Marriott Washingtonian Center | Gaithersburg, MD, United States

Course Description

The American College of Toxicology (ACT) and the Teratology Society are jointly offering a course, "Practical Reproductive and Developmental Toxicology." In this five-day intensive course, attendees will be provided a basic understanding in reproductive and developmental biology; principles of various testing approaches for reproductive and developmental toxicology, with strong emphasis on the practical application of these principles and interpretation of nonclinical safety data; and risk assessment. The intended audience for this course includes industrial and regulatory scientists, graduate students, and postdoctoral fellows.

MONDAY, MAY 13

Female Reproductive Biology/Toxicology

Aileen Keating, Iowa State University

Male Reproductive Biology/Toxicology

Justin Conley, US Environmental Protection Agency

Embryology: From Fertilization to Neural Tube/Somite Formation

E. Sid Hunter III, US Environmental Protection Agency

Cellular and Molecular Analysis of Development

Joshua Robinson, University of California San Francisco

Developmental Immunotoxicology

Jamie DeWitt, East Carolina University

PK/ADME of Xenobiotics/Chemicals during Pregnancy/Lactation and in Fetus/Newborn

Hugh Barton, Independent Consultant

Reception

REGISTER NOW

**Early-Bird Registration Deadline:
March 10**

**Regular Registration:
March 11–May 10**

**For more course information and
to register, visit www.actox.org**

TUESDAY, MAY 14

Principles of Abnormal Development

Gerald Grunwald, Thomas Jefferson University

Normal and Abnormal Development of the Musculoskeletal System and Limbs

John Rogers, US Environmental Protection Agency

Normal and Abnormal Development of the Nervous System

Charles Vorhees, University of Cincinnati

Normal and Abnormal Craniofacial Development

Robert Lipinski, University of Wisconsin

Normal and Abnormal Development of the Respiratory and Digestive Systems

John DeSesso, Exponent

Normal and Abnormal Development of the Cardiovascular Systems

John DeSesso, Exponent

Normal and Abnormal Development of the Urogenital System

Michael Hsieh, George Washington University

WEDNESDAY, MAY 15

Overview of Regulatory Reproductive and Developmental Toxicology

Alan Hoberman, Charles River

Male/Female Fertility Testing

Donald Stump, Charles River

Developmental Toxicity Testing

Christopher Bowman, Pfizer Inc.

Pre- and Postnatal Development/ Multigeneration Testing

Susan Makris, US Environmental Protection Agency

WEDNESDAY, MAY 15 (CONTINUED)

Juvenile Animals Toxicity Testing

Susan Laffan, GlaxoSmithKline

Data Interpretation

Alan Hoberman, Charles River

THURSDAY, MAY 16

Risk Assessment for Pharmaceuticals

Tacey White, Aclairo Pharmaceutical Development Group, Inc.

Risk Assessment for Agricultural and Industrial Chemicals

Anna Lowit, US Environmental Protection Agency

Practicum: Case Studies

Various Speakers

Practicum: Hands-On Exercise in Small Groups with Facilitators

Practicum: Wrap-Up Discussion

FRIDAY, MAY 17*

Contemporary Reproductive and Developmental Toxicity Testing: New Approaches and Methodologies

Aldert Piersma, Netherlands National Institute for Public Health and the Environment

Future of Reproductive and Developmental Toxicity Testing: Computational and Organoids

Thomas Knudsen, US Environmental Protection Agency

*Course ends at 12:00 noon.

American College of Toxicology (ACT)

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Teratology Society

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Course Location

Gaithersburg Marriott Washingtonian Center
9751 Washingtonian Boulevard
Gaithersburg, MD 20878