**Course Description**

This course, taught by distinguished experts, is designed to provide a basic training in toxicology. Participants will obtain an overall understanding of the principles of nonclinical safety evaluation with emphasis on the practical application of these principles and interpretation of nonclinical safety data. The course will include discussion of regulatory case studies and a workshop. This toxicology course is intended to benefit individuals working with small and large molecules from biotechnology and pharmaceutical companies, along with those from Contract Research Organizations and regulatory agencies who are interested in toxicology. Regulatory toxicology in drug development will be emphasized, particularly from the European perspective.

**Monday, September 15**  
**Basic Principles of Toxicology**  
A. Wallace Hayes, Harvard  
**Pharmacology**  
Rob Wallis, Safety Pharmacology Consultant  
**Safety Pharmacology**  
Rob Wallis, Safety Pharmacology Consultant  
**Toxicology Methods/General Tox**  
Adam Woolley, ForthTox  
**Regulatory Toxicology**  
David Jones, MHRA

**Tuesday, September 16**  
**Organ Systems**  
John Foster, Senior Consultant  
**Clinical Pathology**  
Malcolm York, GlaxoSmithKline  
**Pathology**  
Peter Greaves, MRC Toxicology Unit

**Wednesday, September 17**  
**Reproduction/Developmental Toxicology**  
Gary Chellman, Charles River  
**Pharmacokinetics/ADME**  
Gerry Kenna, Safety Science Consultant  
**Genetic Toxicology**  
George Johnson, Swansea University  
**Carcinogenicity**  
Nigel Roome, Sanofi

**Thursday, September 18**  
**Safety of Biotechnology Products**  
Jennifer Sims, Integrated Biologics  
**Immunotoxicology**  
Ian Kimber, University of Manchester  
**Risk Assessment**  
Ernie Harpur, Newcastle University  
**Regulatory Case Studies**  
Kenneth Hastings, Sanofi US  
Per Sjoberg, Eureka

**Friday, September 19**  
**Nonclinical Assessment of Drug A: A Special Workshop of Drug Development from Regulatory Perspective**  
Kenneth Hastings, Sanofi US  
Jennifer Sims, Integrated Biologics  
Per Sjoberg, Eureka

**Course Program Committee:**  
Ernie Harpur, Newcastle University  
Hanan Ghattous, US FDA  
Norman Kim, Biogen Idec

**Organizers:**  
Karen McCusker, Charles River  
Jamie Wilton, Charles River

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**Location and Lodging:**  
Crowne Plaza Edinburgh  
The Roxburghe  
38 Charlotte Square  
Edinburgh EH2 4HQ  
United Kingdom  
Website: [www.theroxburghe.com](http://www.theroxburghe.com)

**Contact:**  
Crowne Plaza Edinburgh  
Call +44 (0)844 879 9063 and report attendance at ACT event for group rate.

Additional lodging options are listed on the ACT website.