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 9

**Basic Principles of Toxicology**  
A. Wallace Hayes, Harvard

**Toxicology Methods/General Tox**  
Adam Woolley, ForthTox

**Pharmacokinetics/ADME**  
Gerry Kenna, Safety Science Consultant

**Regulatory Toxicology**  
David Jones, MHRA

Tuesday, September 10

**Organ Systems**  
Nigel Toseland, Consultant, University of Surrey

**Clinical Pathology**  
Malcolm York, GlaxoSmithKline

**Pathology**  
Peter Greaves, MRC Toxicology Unit

Wednesday, September 11

**Genetic Toxicology**  
Veronique Thybaud, Sanofi

**Carcinogenicity**  
Nigel Roome, Sanofi

**Reproduction/Developmental Toxicology**  
Gary Chellman, Charles River

**Immunotoxicology**  
Ian Kimber, University of Manchester

Thursday, September 12

**Pharmacology**  
Rob Wallis, Safety Pharmacology Consultant

**Safety Pharmacology**  
Rob Wallis, Safety Pharmacology Consultant

**Safety of Biotechnology Products**  
Jennifer Sims, Integrated Biologics

**Risk Assessment**  
Ernie Harpur, Newcastle University

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Friday, September 13

**Nonclinical Assessment of Drug A: A Special Workshop of Drug Development from Regulatory Perspective**  
Kenneth Hastings, Sanofi  
Timothy McGovern, SciLucent  
Tracey Zoetis, SciLucent  
David Jones, MHRA  
Per Sjoberg, Eureda

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

**Organizer:**  
Karen McCusker, Charles River

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