**Sunday, September 24**

**Opening Session: Overview of Respiratory System**

12:30 PM–1:30 PM  |  Registration
1:30 PM–1:45 PM  |  Welcome and Introduction  
Melissa Schutten and Paula Katavolos, Genentech
1:45 PM–2:45 PM  |  Comparative Anatomy/Ultrastructure of Airways  
Jack Harkema, Michigan State University
2:45 PM–3:00 PM  |  Break
3:00 PM–4:00 PM  |  Comparative Anatomy/Ultrastructure  
Pulmonary Parenchyma  
Dennis Wilson, University of California Davis
4:00 PM–5:00 PM  |  Common Background and Test-Article Associated Microscopic Changes in the Upper Respiratory Tract of Rodents and Dogs in Inhalation Studies  
Nicholas Macri, Envigo
5:00 PM–6:30 PM  |  Social Hour

**Monday, September 25**

**Morning Session: Airway Biology, Pathology, and Case Studies**

7:30 AM–8:00 AM  |  Breakfast
8:00 AM–9:00 AM  |  Application of INHAND Diagnosis to the Interpretation of Airway Disease  
Jack Harkema, Michigan State University
9:00 AM–10:00 AM  |  Mechanisms of Drug-Induced Diffuse Alveolar Disease  
David Meyerholz, University of Iowa
10:00 AM–10:15 AM  |  Break
10:15 AM–11:15 AM  |  Case Study: Silicosis/Tertiary Lymphoid Structures  
Jack Harkema, Michigan State University
11:15 AM–12:15 PM  |  Translatable Pig Model of Cystic Fibrosis or Viral Lung Dz Models  
David Meyerholz, University of Iowa
12:15 PM–1:30 PM  |  Lunch

**Afternoon Session: Animal Models of and Investigative Approaches to Airway Disease**

1:30 PM–2:15 PM  |  Pulmonary Vascular Disease  
Dennis Wilson, University of California Davis
2:15 PM–2:45 PM  |  Case Study—Beagle Shipping Fever
2:45 PM–3:15 PM  |  Case Study—Carci Study Respiratory Tract Tumors
3:15 PM–3:30 PM  |  Break
3:30 PM–4:00 PM  |  Case Study—Inhaled Vaccine
4:00 PM–4:30 PM  |  Case Study—Common Background Lesions in Toxicology Study Species

**Tuesday, September 26**

**Morning Session: Parenchymal Biology and Pathology and Animal Models of Disease**

7:30 AM–8:00 AM  |  Breakfast
8:00 AM–9:00 AM  |  Application of INHAND Diagnosis to the Interpretation of Parenchymal Disease  
Dennis Wilson, University of California Davis
9:00 AM–10:00 AM  |  Imaging Presentation  
David Young, Flagship Biosciences
10:00 AM–10:15 AM  |  Break
10:15 AM–11:15 AM  |  Translational Animal Models of Pulmonary Fibrosis  
Andrew Gigliotti, Lovelace
11:15 AM–12:15 PM  |  Translatable Pig Model of Cystic Fibrosis or Viral Lung Dz Models  
David Meyerholz, University of Iowa
12:15 PM–1:30 PM  |  Lunch

**Afternoon Session: Histopath Workshop and Case Studies**

1:30 PM–2:15 PM  |  Pulmonary Vascular Disease  
Dennis Wilson, University of California Davis
2:15 PM–2:45 PM  |  Case Study—Beagle Shipping Fever
2:45 PM–3:15 PM  |  Case Study—Carci Study Respiratory Tract Tumors
3:15 PM–3:30 PM  |  Break
3:30 PM–4:00 PM  |  Case Study—Inhaled Vaccine
4:00 PM–4:30 PM  |  Case Study—Common Background Lesions in Toxicology Study Species

**Wednesday, September 27**

**Morning Session: Preclinical to Clinical Translatability and Regulatory Considerations**

7:30 AM–8:30 AM  |  Breakfast
8:30 AM–9:30 AM  |  Tentative “Yes”: Regulatory Perspective  
Laura Black, CRL Consultant
9:30 AM–10:30 AM  |  Inhaled Jak Inhibitor/Asthma Indication  
Gary Cain, Genentech
10:30 AM–10:45 AM  |  Break
10:45 AM–11:45 AM  |  Regulatory topic TBD
11:45 AM–12:00 Noon  |  Course Wrap-Up  
Melissa Schutten and Paula Katavolos, Genentech