



X vs. Y: Sex Differences Regulating Immune Responses

Goals and Objectives:

1. Understand sex-based differences leading to differential inflammatory responses and disease susceptibility
2. Appreciate the recent data showing X chromosome inactivation is associated with autoimmune diseases
3. Understand sex based immune responses mediating ischemia reperfusion injury and transplant tolerance

11:15 AM - 12:45 PM

Moderators:

Christine Falk, PhD, Institute of Transplant Immunology, Hannover, Germany

Stefan Tullius, MD, PhD, Brigham & Women's Hospital, Boston, MA, USA

11:15 AM – 11:35 AM

How Sex and Gender Affect Transplantation?

TBD

11:35 AM - 11:45 AM

Audience Discussion

11:45 AM – 12:05 PM

Altered X-chromosome Inactivation in T-cells can Promote Sex-biased Autoimmune Diseases

Montserrat Anguera, PhD, University of Pennsylvania, Philadelphia, PA, USA

12:05 PM - 12:15 PM

Audience Discussion

12:15 PM - 12:35 PM

Ischemia Reperfusion Injury - Differential Tolerance to Ischemia Reperfusion Injury by Sex

Matthew Levine, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

12:35 PM - 12:45 PM

Audience Discussion