

Molecular Dissection of Rejection

Learning Objective 1: Understanding the molecular mechanisms of transplant rejection.

Learning Objective 2: Identifying the molecular signature of transplant rejection.

Learning Objective 3: Developing novel biomarkers to identify patients at risk for rejection.

1:00pm-3:00pm

Moderators: Christopher Blosser, MD, University of Washington Division of Nephrology, Seattle, WA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL.

1:00pm-1:20pm

Molecular Approaches to Chronic Allograft Injury

Enver Akalin, MD, FAST, Montefiore Medical Center, Albert, Einstein College of Medicine, Bronx, NY.

1:20pm-1:30pm

Audience Discussion

1:30pm-1:50pm

Biomarkers in Graft Rejection

Manikkam Suthanthiran, MD, Weill Cornell Medicine, New York, NY.

1:50pm-2:00pm

Audience Discussion

2:00pm-2:20pm

Single Cell Approaches to Rejection

Emmanuel Zorn, PhD, Columbia University Medical Center, New York, NY.

2:20pm-2:30pm

Audience Discussion

2:30pm-2:50pm

Epigenetic and Transplantation

Valeria Mas, PhD, University of Virginia School of Medicine, Charlottesville, VA.

2:50pm-3:00pm

Audience Discussion

3:00pm-3:30pm

Coffee Break

3:30pm-5:30pm

Moderators: Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA. Lorenzo Gallon, MD, Northwestern University, Chicago, IL.

3:30pm-3:50pm**DNA Biomarkers of Graft Rejection**

Minnie Sarwal, PhD, MD, UCSF, San Francisco, CA.

3:50pm-4:00pm**Audience Discussion****4:00pm-4:20pm****Linking Molecular Signatures of Rejection to Histology**

Philip Halloran, MD, University of Alberta, Edmonton, Canada.

4:20pm-4:30pm**Audience Discussion****4:30pm-4:50pm****Learning from Large Genomic Studies in Transplantation**

Brendan Keating, D. Phil, University of Pennsylvania, Philadelphia, PA.

4:50pm-5:00pm**Audience Discussion****5:00pm-5:20pm****B Cell Biomarkers for Transplantation**

David Rothstein, MD, University of Pittsburgh, Pittsburgh, PA.

5:20pm-5:30pm**Audience Discussion**