



CUTTING EDGE OF TRANSPLANTATION

TRANSPLANT SUMMIT 2024



LEVERAGING INNOVATIVE TECHNOLOGY

TO SAVE AND IMPROVE MORE LIVES THROUGH TRANSPLANTATION

Thursday, February 22

1:30 PM

Cutting Edge of Transplantation Welcome Remarks*

Location: FLW Salon A-E

Josh Levitsky, MD, MS, FAST, FAASLD, AST President

David Foley, MD, FACS, FAST, FAASLD, CEoT Planning Committee Chair

Rachel Patzer PhD, MPH, CEoT Planning Committee Co-Chair

1:45 PM – 2:45 PM

Session 1: Setting the Stage: The Promise of Expanding Technology in Transplantation*

Location: FLW Salon A-E

Moderators: *Stuart Sweet, MD, PhD & Rachel Patzer PhD, MPH*

1. **Connect to Purpose – the Importance of Technology Advances in Transplant from a Patient Perspective**
Molly McCarthy
2. **Transplant Technology: Where Are We Now?**
Roslyn Mannon, MD, FAST, FASN
3. **Transplant Technology: Where Do We Go From Here?**
Stuart Knechtle, MD

2:45 PM – 3:15 PM

Break

Science and Innovation Theater†

Sponsored by Pirche

Location: Exhibit Hall, FLW Salon J

3:15 PM – 4:45 PM

Session 2: Artificial Intelligence*

Location: FLW Salon A-E

Moderators: *Vineeta Kumar, MD, FAST & Jim Rodrigue, PhD*

AI in Transplant: A Patient Perspective

Alin Gragossian, DO, MPH

1. **Engaging with AI in Healthcare**
Benjamin Collins, MD, MS, MA
2. **AI in Solid Organ Transplantation: An Explorative Overview of Current Applications**
Ali Zarrinpar, MD, PhD

*Continuing education credit offered. See separate packet. †No continuing education credit offered. This is not an official function of the CEoT meeting and is not endorsed by the AST.

Thursday, February 22 (continued)

3. Practical Applications of AI

a. Implementation of Deep Learning for Rejection and Risk Assessment

Demilade Adedinsewo, MD, MPH

b. Advancements and Applications of Visual Intelligence in Transplantation

Joe Gaut, MD, PhD

Panel Discussion

5:00 PM – 6:30 PM

Welcome Reception and Poster Session†

Sponsored by Eurofins Transplant Diagnostics

Location: Exhibit Hall, FLW Salon F

Friday, February 23

7:00 AM – 8:15 AM

Satellite Breakfast Symposium†

Featuring the OPTN Expeditious Task Force

Location: FLW Salon A-E

8:15 AM – 9:45 AM

Session 3: Therapeutics and Diagnostics†

Location: FLW Salon A-E

Moderators: *Roy Bloom, MD & Joanna Schaenman, MD, PhD*

Patient Introduction

Kevin Fowler

1. New Molecular Approaches to Assess Immune Status: Finding the Right Balance

Benjamin Adam, MD, FRCPC

2. Cutting-Edge ID Diagnostics and Therapeutics

Atul Humar, MD

3. Bioengineering the Immune System to Prevent Rejection

Megan Levings, PhD

4. New Technologies in Drug Delivery

Satish Nadig, MD, PhD

Panel Discussion

9:45 AM – 10:15 AM

Break

Science and Innovation Theater†

Sponsored by Eurofins Transplant Diagnostic

Location: Exhibit Hall, FLW Salon J

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Friday, February 23 (continued)

10:15 AM – 11:15 AM

Keynote Speaker*

Location: FLW Salon A-E
Jesse Ehrenfeld, MD, MPH

11:15 AM – 11:45 AM

Networking, Exhibitor Break

11:45 AM – 1:00 PM

Satellite Lunch Symposium†

Sponsored by Natera
Location: FLW Salon A-E

1:00 PM – 1:30 PM

Break

Doggie Den†
Sponsored by Sanofi
Location: FLW Foyer

1:30 PM – 3:00 PM

Session 4: Telemedicine and Remote Patient Monitoring*

Location: FLW Salon A-E
Moderators: *Dave Taber, PharmD & Sean Pinney, MD*

Patient Experience with Emerging Technologies

Melissa McQueen

1. **Empowering Patients through Remote Monitoring: Detecting Problems Before They Start**
Tiffany Kaiser, PharmD
2. **The Chatbot Will See You Now: Interacting with Artificial Intelligence**
Steven Hays, MD
3. **Innovative Technologies in Medication Adherence Monitoring**
Sandra Amaral, MD, MHS
4. **Telerehabilitation to Improve Functional Status**
Anoop Sheshadri, MD

Panel Discussion

3:00 PM – 3:30 PM

Break

Science and Innovation Theater†
Sponsored by Kamada
Location: Exhibit Hall, FLW Salon J

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Friday, February 23 (continued)

3:30 PM – 5:00 PM

Session 5: Organ Optimization and Replacement Technologies[†]

Location: FLW Salon A-E

Moderators: *Lisa McElroy, MD, MS & Ali Zarrinpar, MD, PhD*

Patient Talk: Organ Optimization to Enhance the Patient Experience

Victoria Palafox, RN

1. Enhancing Organ Function in Ex Vivo Machine Perfusion

Marcelo Cypel, MD, MSc, FACS, FRCSC

2. Building and Rebuilding Organs

Scott Nyberg, MD, PhD

3. NRP Above and Below the Diaphragm

a. Thoracic: Thoracic NRP in 2023 and Beyond

John Trahanas, MD

b. Abdominal: Leading the Abdominal Consortium for NRP

Aleah Brubaker, MD, PhD

Panel Discussion

5:00 PM – 5:15 PM

Break

5:15 PM – 6:45 PM

Transplant Visionaries Challenge[†]

Sponsored by Sanofi

Location: FLW Salon A-E

Saturday, February 24

7:00 AM – 7:45 AM

Satellite Breakfast Symposium[†]

Sponsored by Novartis

Location: FLW Salon A-E

8:15 AM – 9:45 AM

Session 6: Breakouts^{*}

Kidney Transplantation:

Leveraging Technology in Getting to a “Yes”

Location: FLW Salon A-E

Moderators: *Roy Bloom, MD & Deb Adey, MD*

1. Remote Prehab (Remote Physical Therapy)

Anoop Sheshadri, MD

2. Healthcare System Silos Along the Pathway to Kidney Transplant

Catherine Butler, MD, MA

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Saturday, February 24 (continued)

3. Shared Decision-Making Tools Around Organ Acceptance

Darren Stewart, MS

4. Using AI for HLA Matching (Opportunities in Histocompatibility)

Loren Gragert, PhD, A(ACH)

Panel Discussion

Technological Innovations in Liver Transplantation: Enhancing Outcome Prediction and Organ Use

Location: FLW Salon G

Moderators: *Marina Serper, MD & Andres Duarte, MD, MS, DSc*

1. New Frontiers in Clinical Prediction Modeling in Liver Transplant Outcomes

Mamatha Bhat, MD, MSc, PhD, FRCPC

2. Clinical Applications of Biomarkers to Liver Transplant

Valeria Mas, PhD

3. Viability Assessment of The Deceased Donor Livers

Kristopher Croome, MD

4. Innovative Therapeutics During Machine Perfusion: Where Are We Headed

Andrea Schlegel, MD

Panel Discussion

Heart Breakout: Transformation of Heart Transplant through Technological Advancement

Location: FLW Salon H

Moderators: *Sean Pinney, MD & Jon Kobashigawa, MD*

1. Organ Acquisition, Storage, and Perfusion

Josef Stehlik, MD, MPH

2. Biological Alternatives to Allotransplantation

Susie Joseph, MD

3. Mechanical Alternatives to Heart Transplantation

Melana Yuzefpolskaya, MD

4. Molecular Testing and Heart Transplantation Moving Beyond the Diagnosis of Rejection

Kiran Khush, MD, MAS

Panel Discussion

Saturday, February 24 (continued)

Beyond Transbronchial Biopsy:

New Technologies to Identify Lung Allograft Rejection and Infection

Location: FLW Salon I

Moderators: *Stuart Sweet, MD, PhD & Debbie Levine, MD*

1. All you Need is Blood

John Belperio, MD

2. No, you Need BAL too

Stephen Juvet, MD, PhD

3. Biopsy or Brushing is Essential

John Greenland, MD, PhD

Panel Discussion

9:45 AM – 10:15 AM

Break

Science and Innovation Theater†

Sponsored by CareDx

Location: Exhibit Hall, FLW Salon J

10:15 AM – 11:45 AM

Session 7: Informatics and Decision Support Systems*

Location: FLW Salon A-E

Moderators: *Allyson Hart, MD, MS & Marina Serper, MD*

Patient Introduction: The Importance of Data to Patients

Earnest Davis Jr., PhD, MHSA

1. Integrating Data into Clinical Care and Decision Making: The Role of Informatics in Medical Care

Ashley Spann, MD, MSACI

2. Making the Electronic Health Records Work for Us: Leveraging EHR Data in Transplantation

Lisa McElroy, MD, MS

3. Lessons Learned Integrating Data into Decision-Making in Transplantation – What is Next in transplantation?

Jesse Schold, PhD, MStat, MEd

4. Human-Centered Design: Making Analytic Support Work with the People Using it

Cory Schaffhausen, MS, PhD

Panel Discussion

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Saturday, February 24 (continued)

11:45 AM – 12:15 PM **Networking, Exhibitor Break**

12:15 PM – 1:30 PM **Satellite Lunch Symposium†**
Sponsored by Veloxis Pharmaceuticals
Location: FLW Salon A-E

1:30 PM – 2:00 PM **Break**
Doggie Dent†
Sponsored by Paragonix
Location: FLW Foyer

2:00 PM – 3:30 PM **Session 8: Technology Innovations in Transplantation: Ethical, Legal, and Social Challenges***
Location: FLW Salon A-E
Moderators: *Deborah Adey, MD & Sumit Mohan, MD*

Intro: Community Perspectives
Joseph Hillenburg

1. **Technology is Wonderful: What Could Possibly Go Wrong?**
Gary Weissman, MD, MSHP
2. **Legal and Regulatory Considerations**
Ana Iltis, PhD
3. **Emerging Technologies: Potential for Perpetuating Bias and Inequity**
Leo Anthony Celi, MD, MPH, MSc
4. **AI and Machine Learning: Looking Behind the Curtain**
David Page, PhD

Panel Discussion

3:30 PM **Summary of Meeting**

4:00 PM **Closing Reception†**
Location: Paradise Pool

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