

Fourth Annual Ajmera Research Day Agenda

John DiPoce Transplant Innovation Centre at the Ajmera Transplant Centre
5 June 2025

08:00-08:30 Registration and breakfast

9-MaRS Lobby

08:00-08:30 Poster set-up

DeGasperis Conservatory

Welcoming Remarks

9-MaRS-9006

08:30-08:35 **Stephen Juvet MD, PhD**
Research director (interim), Ajmera Transplant Centre

Session 1: New Horizons in Transplantation

9-MaRS-9006

Chair: Sarah Crome, PhD

Keynote Speaker

08:40-09:40 **Anna Valujskikh, PhD**
Lymphoablation in organ transplant recipients: lessons learned from mouse models

Top Basic/Translational Science Abstracts

09:40-09:55 **Victor Ferreira**, *Virus-inclusive single-cell RNA sequencing reveals broad cellular tropism and common pathway dysfunctions linked to cytomegalovirus infection in organ transplant recipients*

09:55-10:10 **Alex Boshart**, *LGALS1 knockdown in human glomerular microvascular endothelial cells controls expression of extracellular matrix and immune system proteins*

10:10-10:25 **Allen Duong**, *In vitro characterization of pro-inflammatory LILRB2+ and pro-fibrotic SPP1+ pulmonary macrophages in chronic lung allograft dysfunction*

10:30-10:45 **Break**

10:30-10:45 **Poster set-up (10:30-10:45)**

DeGasperis Conservatory

Concurrent Sessions

Session 2A: Innovations in Transplantation and Regenerative Medicine

9-MaRS-9006

Chair: Cynthia Tsien MD, PhD

Invited Speaker

10:45-11:10 **Shin Ogawa, PhD**
Uncovering the role of physiologically relevant biliary signaling in engineering 3D bile duct tubes with human pluripotent stem cell-derived cholangiocytes

Top Clinical Science Abstract

11:10-11:20 **Golnaz Amidpour**, *In-depth T-cell phenotyping and its association with relapse in transplant recipients with human Cytomegalovirus (HCMV) DNAemia*

2024 Ajmera Grant and Fellowship Recipients

11:20-11:30 **Paraish Misra**, *Urinary cells for precision diagnostics after kidney transplantation*

11:30-11:40 **Alina Stoian**, *In vivo transplantation of the tissue-engineered vascularized trachea allograft*

11:40-11:50 **Rachel Edgar**, *Mapping the determinants of liver transplant outcomes*

11:50-12:00 **Kumi Mesaki**, *Genetic modification of donor organs during cold preservation using novel Cas enzymes*

Session 2B: Nursing, Health Disciplines and Quality Improvement

9-MaRS-9005

Co-chairs: Nikki Marks DN, NP and Lisa Wickerson PT, PhD

Invited Speaker

10:45-11:10 **Nikki Marks DN, NP**
User preferences for mobile-health interventions to support self-care after lung transplantation

11:10-11:20 **Sarah Beneteau MN, NP**, *Mind the gap: exploring the mental health needs of cystic fibrosis patients who undergo lung transplantation*

- 11:20-11:30** **Frances Yeung RN and Rachel Chen RN**, *Sustaining the momentum: ongoing improvement of post-transplant discharge education at the Ajmera Transplant Centre*
- 11:30-11:40** **Jessica Davenport SLP**, *GULPD: Guiding Understanding of Lung transplant Post-operative Dysphagia*
- 11:40-11:50** **Danielle Jepson PT**, *Applying healthcare human factors to design educational resources for patients, caregivers & clinicians to create smoother care transitions post-transplant*
- 11:50-12:00** **Syndney Leicht RN**, *Improving translation services for inpatients on the MOT unit*

Session 3: Lunch and Poster Viewing

- 12:00-1:30** Pick up lunch **9-MaRS-9119**
 Poster viewing and discussion **DeGasperis Conservatory**
 Poster discussants:
 Dr. Lisa Wickerson, Dr. Victor Ferreira, Dr. Andrew Sage, Dr. Aizhou Wang, Dr. Tereza Martinu, Dr. Elmar Jaeckel, Dr. Stephen Juvet

Session 4: Clinical Research at Ajmera Transplant Centre

9-MaRS-9006

Chair: Ana Konvalinka MD, PhD

Keynote Speaker

- 1:30-2:30** **Tereza Martinu MD, MHS**
 Redefining chronic rejection in lung transplantation: from enhanced phenotyping to precision risk-stratification

Top Clinical Science Abstracts

- 2:30-2:45** **Adrian Alexander**, *Safety and immunogenicity of adjuvanted subunit respiratory syncytial virus (RSV) vaccination in high-risk transplant recipients*
- 2:45-3:00** **Lisa Wickerson**, *Remote patient monitoring of spirometry, oximetry, activity and symptoms in lung transplant candidates with interstitial lung disease*
- 3:00-3:15** **Michael Cooper**, *DynaMELD: A Dynamic Model of End-Stage Liver Disease for personalized and equitable waitlist prioritization*

Session 5: Awards (3:15-3:45)

9-MaRS-9006

Chair: Cynthia Tsien MD, PhD

Dr. Gary Levy Award for Excellence in Clinical and Translational Research
 Dr. Paul Greig Award for Excellence in Teaching
 Dr. Heather Ross Award for Exemplary Citizenship and Mentorship in Transplant
 Nursing and Health Professions Excellence in Clinical Teaching Award
 Top Oral and Poster Abstract Awards

Concluding Remarks

9-MaRS-9006

Stephen Juvet MD, PhD

Session 6: Wine and Cheese and Poster Viewing

DeGasperis Conservatory

- 3:45-5:30** Poster viewing and discussion
 Moderators/Poster discussants:
 Dr. Stephen Juvet, Dr. Andrew Sage, Dr. Victor Ferreira, Dr. Aizhou Wang, Dr. Ana Konvalinka, Dr. Elmar Jaeckel