



International Transplantation Science Meeting

April 30-May 3, 2023

Niagara-on-the-Lake

Ontario, Canada

www.its2023.org



The
Transplantation
Society



AMERICAN SOCIETY OF
TRANSPLANTATION



The European Society
for Organ Transplantation

FINAL PROGRAM

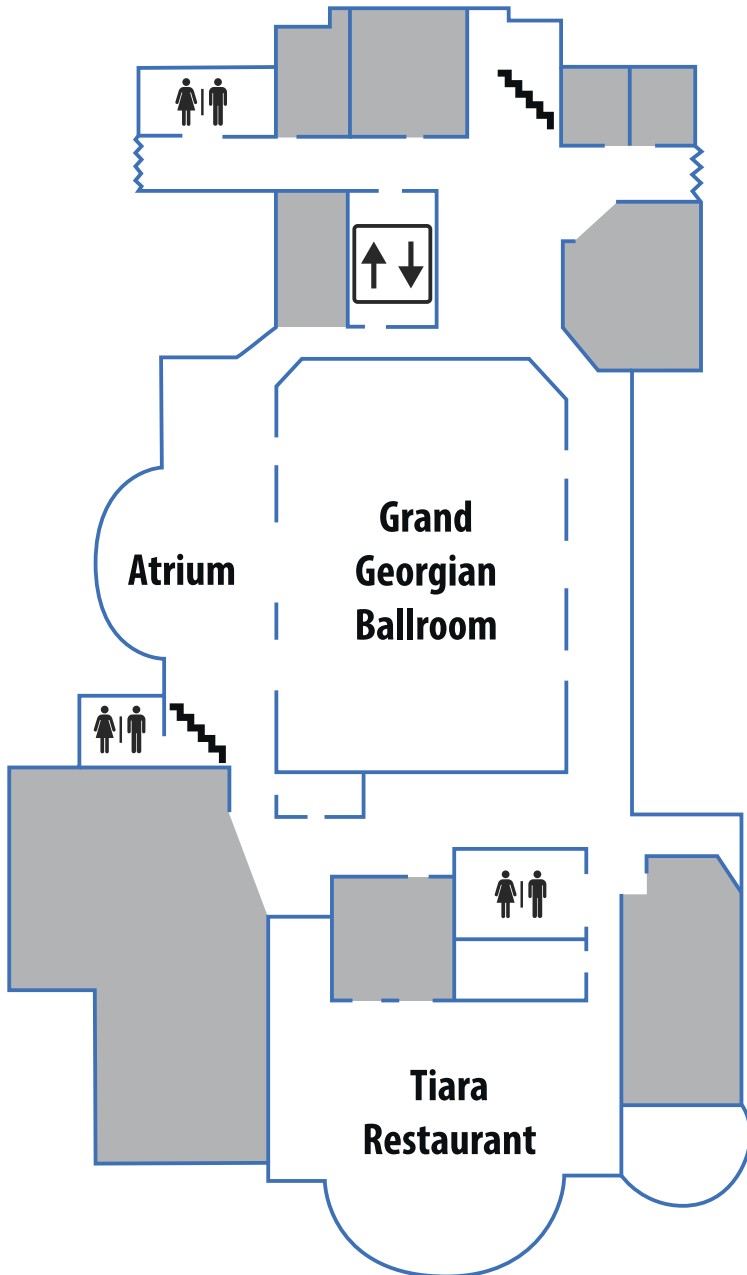
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Main Level



Abstract Presentations

There are 3 types of abstract presentations:

Oral abstracts are 7-minute presentations followed by 3 minutes of questions

Mini-Oral abstracts are 5-minute presentations followed by 2 minutes of questions

Rapid-Fire abstracts are 3-minute presentations followed by 2 minutes of questions

Speaker Upload Area

We would ask that all presentations be uploaded at least 2 hours prior to the start of the session. If the session is early in the morning, please upload during the opening hours of the speaker upload (see below). It is important to upload your presentation as soon as possible in the event that we need to trouble-shoot any potential issues.

The upload desk will be open:

April 30 13:00–17:00

May 1 07:00–13:30

May 2 07:00–16:00

May 3 07:00–10:30

Niagara Falls Tour - SOLD OUT

The tour is scheduled on May 1 and the buses will depart promptly at 3:40 pm in front of the hotel.

Make sure you have your tour coupon, as they will be collected on the bus.

**make sure to wear comfortable clothes and shoes*

Networking Event at Chateau des Charmes - SOLD OUT

The event is scheduled on May 2 and the buses will depart at 7:00 pm in front of the hotel.

Make sure you have your dinner coupon, as they will be collected on the bus



NO ELECTRONIC RECORDING

Unauthorized recording (audio, visual, still photography, etc.) of any ITS 2023 presentation or event is strictly prohibited.



 **WEB APP:** <https://app.its2023.org>

 **Wi-Fi Signal:** Transplantation

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PRE-CONGRESS SESSION

13:00–15:00 | Grand Georgian Ballroom

Emerging 'Omics' and Machine Learning Techniques: The Next Frontier in Transplant Research

Moderators: Maria Kaisar, United Kingdom and Xunrong Luo, United States

PC.1 Translational Immunology

Juliet Emamaullee, Los Angeles, CA, United States

PC.2 Cite Sequencing

Sören Lukassen, Berlin, Germany

PC.3 Single Cell Sequencing and Spatial Transcriptomics in Kidney Disease

Parker C. Wilson, Philadelphia, PA, United States

PC.4 Spatial Proteomics

Roman Fischer, Oxford, United Kingdom

PC.5 Single-Cell Profiling of Healthy Human Kidney Reveals Features of Sex-Based Transcriptional Programs and Tissue-specific Immunity

Ana Konvalinka, Toronto, ON, Canada

15:00–15:30 | Atrium

Refreshment Break

CONGRESS PROGRAM

15:30–16:40 | Grand Georgian Ballroom

#1 | Welcome Address and Keynote

Facilitator: Anita S. Chong, United States

1.1 Welcome Address

Fadi Issa, Oxford, United Kingdom

1.2 Revolutionizing Immunology

Tak W. Mak, Toronto, ON, Canada

16:40–18:00 | Grand Georgian Ballroom

#2 | Abstracts Session 1

Moderators: Jonathan Maltzman, United States and Qizhi Tang, United States

2.1 **ORAL ABSTRACT** | Interclonal Help Promotes Allospecific CD8+ T Cell Avidity Maturation During Graft Rejection

Peter Wang, Chicago, IL, United States

2.2 **ORAL ABSTRACT** | Cell Therapy with Ex Vivo Expanded Human Group 2 Innate Lymphoid Cells Suppresses Allogenic T Cell Responses in Graft-Versus Host Disease

Kyle T. Reid, Toronto, ON, Canada

2.3 **MINI-ORAL ABSTRACT** | Tracking Gene Expression and Clonal Expansion of CD8+ T Cells in the Biopsies and Urine of Patients Undergoing Kidney Transplant Rejection

David A. Hildeman, Cincinnati, OH, United States

2.4 **MINI-ORAL ABSTRACT** | ABO and COVID-19 Susceptibility: A Role for ABH glycans and ABO Antibodies?

Anne M. Halpin, Edmonton, AB, Canada

2.5 **MINI-ORAL ABSTRACT** | The Immunological Effects of COVID-19 Vaccination after Past Infection in Lung Transplant Recipients

Siqi Liu, Groningen, Netherlands

2.6 **MINI-ORAL ABSTRACT** | ST2+ Reporative Regulatory T Cell Therapy for Inflammation Reduction and Tissue Repair

Kassandra J. Baron, Pittsburgh, PA, United States

2.7 **MINI-ORAL ABSTRACT** | Water Channel Aquaporin 4 is Required for T Cell Activation

Michael Nicosia, Cleveland, OH, United States

2.8 **RAPID-FIRE ABSTRACT** | The Epigenetic and Transcriptional Landscape of Monocyte Memory Formation in Response to Allogeneic Non-self

Khodor I. Abou-Daya, Pittsburgh, PA, United States

2.9 **RAPID-FIRE ABSTRACT** | The Use of Histopathological Features as Endpoints in Acute T Cell-mediated Rejection (TCMR) Response in Renal Allografts

Handan Ozdemir, Ankara, Turkey



- 2.10 RAPID-FIRE ABSTRACT | Tackling Post-transplant Lymphoproliferative Disease - A New Model of Patient Derived Lung Organoids with Epstein-Barr-virus Transformed B Cells as Test Platform for Epstein-Barr-virus Specific T Cell Fighters**

Lisa-Marie Burkhardt, Berlin, Germany

- 2.11 RAPID-FIRE ABSTRACT | Development of a Potency Assay for Regulatory T Cell Therapy Applications**

Macyn L. Leung, Vancouver, BC, Canada

- 2.12 RAPID-FIRE ABSTRACT | Determining the Cytoplasmic and Membranous Localization of CD38 using ImageStream**

Yonggyu Lee, Columbus, OH, United States

18:00–19:00 | Atrium

Welcome Reception

07:00–08:00 | Tiara Restaurant

Breakfast (included for registrants)

08:00–09:20 | Grand Georgian Ballroom

#3 | Cellular Engineering for Transplantation

Moderators: Carole Guillonneau, France and Nina Pilat, Austria

3.1 Species-specific Regulation of IL-33 Expression

Anne Sperling, Charlottesville, VA, United States

3.2 Rescuing CAR Tregs from Dysfunction

Julien Zuber, Paris, France

Speaker supported by: 

3.3 Induction of Immune Tolerance by Cell-Therapy Using Inducible Suppressive T Cells

Koichiro Uchida, Tokyo, Japan

Speaker supported by: 

3.4 DarTregs in Liver Transplantation

Qizhi Tang, San Francisco, CA, United States

09:20–10:20 | Grand Georgian Ballroom

#4 | Abstracts Session 2

Moderators: Xunrong Luo, United States and Leonardo Riella, United States

4.1 MINI-ORAL ABSTRACT | CRISPR-Mediated Deletion of PD1 Enhances the Function of Human CAR Tregs

Sonya Mangat, Vancouver, BC, Canada

4.2 MINI-ORAL ABSTRACT | Mapping Natural Killer Cell Contributions to Antibody-Mediated Rejection of Kidney Allografts and Responsiveness to Immunosuppression

Julia M. Murphy, Toronto, ON, Canada

4.3 MINI-ORAL ABSTRACT | Genomic Mismatch at the SIRPA Locus and Long-term Kidney Allograft Outcomes

Aravind Cherukuri, Pittsburgh, PA, United States

4.4 MINI-ORAL ABSTRACT | Generation of EPO-overexpressing Kidney Organoids by DNA vectors

Martin Hoogduijn, Rotterdam, Netherlands

4.5 RAPID-FIRE ABSTRACT | Does Pump Design Effect Haemolysis during Ex-vivo Normothermic Machine Perfusion? A Study Comparing Peristaltic and Diaphragmatic Pumps

Hayden Huy Gia Ly, Sydney, Australia

4.6 RAPID-FIRE ABSTRACT | Validation of a Novel Suspension Microcavity System for Generation and Maintenance of Optimally-sized Primary Human Pancreatic Pseudo-islets

Morgan F. Shaw, Newcastle Upon Tyne, United Kingdom



- 4.7 RAPID-FIRE ABSTRACT | IgG and IgM ABO Antibodies Detected by a Novel Bead-based Assay Fail to be Discriminated by Hemagglutination Methods**
Anne M. Halpin, Edmonton, AB, Canada
- 4.9 RAPID-FIRE ABSTRACT | Deep Neural Network Model can Effectively Determine and Rank the Predictors of Failure after Kidney Transplantation in Patients Younger than 18**
Orkideh Olang, Toronto, ON, Canada
- 4.10 RAPID-FIRE ABSTRACT | Iron Availability Alters Immune Responses after Allogeneic Kidney Transplantation**
Amy R. Cross, Oxford, United Kingdom
- 4.11 RAPID-FIRE ABSTRACT | Activation of Human CD4+CD25+CD127^{lo} Treg with Alloantigen and rIL-2**
Nirupama D. Verma, Liverpool, Australia

10:20–10:50 | Atrium

Coffee Break

10:50–12:20 | Grand Georgian Ballroom

#5 | Environmental Modifiers of Alloimmune Response

Moderators: Anita S. Chong, United States and Jonathan S. Bromberg, United States

- 5.1 Metabolite Imbalance and Inflammation**
Dominik Mueller, Berlin, Germany
- 5.2 Commensal Immune Responses and Transplantation**
Maria-Luisa Alegre, Chicago, IL, United States
- 5.3 Impact of Diet and Short-Chain Fatty Acids on Transplant Outcomes**
Leonardo Riella, Boston, MA, United States
- 5.4 Trained Immunity in Organ Transplantation**
Jordi Ochando, New York, NY, United States
- 5.5 RAPID-FIRE ABSTRACT | Reprogramming CD8+FOXP3+Treg to deal with an Inflamed Environment**
S  verine B  zie, Nantes, France
- 5.6 RAPID-FIRE ABSTRACT | Human Pulmonary Endothelial Function is Improved by Nutrient Supplementation in Ex Vivo Lung Perfusion Perfusates**
Dejan Bojic, Toronto, ON, Canada

12:20–13:40 | Grand Georgian Ballroom

#6 | Lunch Keynote Address

Facilitator: Maria Kaisar, United Kingdom

From Survive to Thrive: The Power of Mentorship

Lorna Marson, Edinburgh, United Kingdom

(Buffet lunch will be served in the Atrium. Please collect your plate and attend the keynote lecture in the Grand Georgian Ballroom)

13:40–15:10 | Grand Georgian Ballroom

#7 | Regenerative Medicine: Improve What's Not Good Enough or Build from Scratch?

Moderators: Nina Pilat, Austria and Mohamed Ezzelarab, United States

7.1 Generating Thymus Organoids to Regenerate T Cell Differentiation

Matthieu Giraud, Nantes, France

Speaker supported by:  Société Francophone de Transplantation

7.2 Latest Insights of Organoids

Martin Hoogduijn, Rotterdam, Netherlands

7.3 Designing the Best Pig to Move to the Clinic

Richard N. Pierson III, Cambridge, MA, United States

Speaker supported by:  International Xenotransplantation Association

7.4 From an In Vivo to an Ex Vivo Engraftment Strategy in Islet Transplantation

Lorenzo Piemonti, Milano, Italy

7.5 ORAL ABSTRACT | Immune Response of Human Kidney Organoid-based Tissues in a Humanized Mouse Model

Thiago J. Borges, Boston, MA, United States

15:40–19:00

Niagara Falls Tour - SOLD OUT (\$ ticket required)

**07:00–08:00 | Tiara Restaurant****Breakfast** (included for registrants)**08:00–09:20 | Grand Georgian Ballroom****#8 | B Cells and Antibodies as Immune Regulators: From Bench to Bedside**

Moderators: Megan Levings, Canada and Cathi Murphey, United States

Session supported by:

**8.1 B cell Tolerance for ABO Incompatible Transplants**

Lori J. West, Edmonton, AB, Canada

8.2 Tissue-Resident B Cell Migration and Antibody Responses after Infection

Tal I. Arnon, Oxford, United Kingdom

8.3 Plasma Cells in Regulation of Autoimmunity

Jennifer Gommerman, Toronto, ON, Canada

8.4 Functional Effects of Antibodies on Inflammation and Immunity

Nicole Valenzuela, Los Angeles, CA, United States

09:20–10:30 | Grand Georgian Ballroom**#9 | Abstracts Session 3**

Moderators: Amy R. Cross, United Kingdom and Jonathan S. Bromberg, United States

9.1 MINI-ORAL ABSTRACT | Depletion of Donor Macrophages Permits Post-Transplant Tolerance Induction

Miriam Dilts, Durham, NC, United States

9.2 MINI-ORAL ABSTRACT | The Paradoxical Inflammatory Impact of Calcineurin Inhibitor Therapy

Roslyn B. Mannon, Omaha, NE, United States

9.3 MINI-ORAL ABSTRACT | A Single Cell Analysis Delineating the Effects of Biological Sex on Alloimmunity in Organ Transplantation

Yao Xiao, Boston, MA, United States

9.4 MINI-ORAL ABSTRACT | Senolytic Treatment Prevents Chronic Rejection of Mouse Cardiac Allografts

Hao Zhou, Boston, MA, United States

9.5 MINI-ORAL ABSTRACT | A Spatially Resolved Analysis of Immune Responses within Rejecting Skin Grafts from Humanised Mice, With and Without Low Dose Treg Treatment

Sarah M. Short, Oxford, United Kingdom

9.6 MINI-ORAL ABSTRACT | Single-cell Transcriptomic Analysis further Delineates Human CD8+ T Regulatory Cell Subsets

Carole Guillonnet, Nantes, France

9.7 MINI-ORAL ABSTRACT | The Impact of Different CD8+ Immune Cell Subsets on Allograft Rejection
Romy Steiner, Vienna, Austria

9.8 RAPID-FIRE ABSTRACT | Combining Human CD4+ and CD8+ Treg to Inhibit Experimental Acute GVHD
S  verine B  zie, Nantes, France

9.9 RAPID-FIRE ABSTRACT | Prolonged Warm Ischemia injury Enhances Cellular Immune Responses to Mouse Renal Allografts
Victoria Gorbacheva, Cleveland, OH, United States

9.10 RAPID-FIRE ABSTRACT | The Role of DLC1 Beta in Attenuating Cardiac Ischemia-Reperfusion Injury during Heterotopic Heart Transplantation
Samantha L. Collings, London, ON, Canada

9.11 RAPID-FIRE ABSTRACT | Cardiac Allograft Monitoring using Cardiac Magnetic Resonance Imaging (cMRI) in a Porcine Heterotopic Heart Transplant Model of Acute Rejection
Michelle Mendiola Pla, Durham, NC, United States

10:30–11:00 | Atrium

Coffee Break

11:00–12:30 | Grand Georgian Ballroom

#10 | Patient Perspectives

Moderators: Lori J. West, Canada and Roslyn B. Mannon, United States

Session supported by:



The Canadian **DONATION** and **TRANSPLANTATION** Research Program
Programme de recherche en **DON** et **TRANSPLANTATION** du Canada



Canadian Society
of Transplantation
LEADERSHIP IN CANADIAN TRANSPLANTATION

10.1 Back to Basics: Integrating Patient, Family, and Donor Partners in Basic Science Research
Manuel Escoto, Edmonton, AB, Canada

10.2 Patients' Presentations

10.3 RAPID-FIRE ABSTRACT | Immunosuppression Minimization during COVID Infection: Is it Safe?
Reza F. Saidi, Syracuse, NY, United States

10.4 RAPID-FIRE ABSTRACT | External Validation of the Abbreviated iBOX at 6-, 12-, and 24-months Post-kidney Transplant as a Secondary Endpoint Prognostic for Death-censored Graft Survival
Amanda Klein, Tucson, AZ, United States

10.5 RAPID-FIRE ABSTRACT | Research and Innovation in Organ Donation and Transplant - Recommendations from an International Consensus Forum
M  lanie Dieud  , Montreal, QC, Canada and Manuel Escoto, Edmonton, AB, Canada



10.6 RAPID-FIRE ABSTRACT | “You Know You’re Not the Only One”: The Experiences and Perspectives of Adolescent Thoracic Transplant Recipients Participating in the iPeer2Peer Support Mentorship Program

Samantha J. Anthony, Toronto, ON, Canada

10.7 RAPID-FIRE ABSTRACT | “Weighing the Pros and Cons of Everything”: Perspectives about Living Donor Kidney Transplantation from Caregivers of Chinese Canadian Pediatric Patients with Chronic Kidney Disease

Samantha J. Anthony, Toronto, ON, Canada

12:30–14:00 | Grand Georgian Ballroom

#11 | Lunch Keynote Address

Facilitator: Fadi Issa, United Kingdom

Engineered T Cells in Transplantation

Megan Levings, Vancouver, BC, Canada

(Buffet lunch will be served in the Atrium. Please collect your plate and attend the keynote lecture in the Grand Georgian Ballroom)

14:00–14:25 | Grand Georgian Ballroom

#12 | Abstracts Session 4

Moderators: Khodor I. Abou-Daya, United States and Anne M. Halpin, Canada

12.1 MINI-ORAL ABSTRACT | The Temporary Inhibition of Tissue Factor in Pancreatic Islets Using a Synthetic siRNA can Reduce the Post Transplant Liver Ischemia

Jan Kriz, Prague, Czech Republic

12.2 MINI-ORAL ABSTRACT | Artificial Intelligence Algorithm Predicts Kidney Transplant Outcome by Using Donor-Recipients Factors: Study of 142,971 Transplant Pairs

Mohammad Shafiee, Toronto, ON, Canada

12.4 RAPID-FIRE ABSTRACT | Investigation of New Biopsy Based Monitoring System to Predict Rejection or Diagnosis of Liver Transplant Tolerance

Koji Tokusihge, Tokyo, Japan

12.5 RAPID-FIRE ABSTRACT | Retrospective Single Center Study of Post Kidney Transplant Tuberculosis

Janmejay A. Kunpara, Ahmedabad, India

14:25-15:30 | Grand Georgian Ballroom

#13 | Bioengineering for Transplantation

Moderators: Megan Levings, Canada and Stephen Juvet, Canada

13.1 MAb-decorated NPs to Target Cells with Specific Surface Expression of Markers

Reza Abdi, Boston, MA, United States

13.2 Nanoparticle-based Targeting of Alloantigen Presentation for Transplantation Tolerance

Xunrong Luo, Durham, NC, United States

13.3 ORAL ABSTRACT | Regulatory T Cells Integrate Native and CAR-mediated Co-stimulatory Signals for Control of Allograft Rejection

Isaac Rosado Sanchez, Vancouver, BC, Canada

13.4 MINI-ORAL ABSTRACT | Modelling HLA-A2 CAR-Treg Therapy with a Novel Transgenic Mouse

Manjurul Haque, Vancouver, BC, Canada

13.5 MINI-ORAL ABSTRACT | Enzymatic Conversion of Blood Group A- to H-antigen in a Mouse Model to Facilitate ABO-incompatible Transplantation (ABOi Tx)

Lori J. West, Edmonton, AB, Canada

15:30–15:45 | Grand Georgian Ballroom

Distribution of WIT, AST-COTS, TTS and AAI Awards

15:45–16:15 | Atrium

Coffee Break

16:15–17:20 | Grand Georgian Ballroom

#14 | Abstracts Session 5

Moderators: Anna Valujskikh, United States and Heth R. Turnquist, United States

14.1 ORAL ABSTRACT | IL-2 and TGF- β Synergize to Induce Regulatory CD56bright NK Cells Observed Following Hematopoietic Stem Cell Transplant

Sarah Crome, Toronto, ON, Canada

14.2 MINI-ORAL ABSTRACT | Tributyrin Treatment Promotes Treg Differentiation and Increases Skin Graft Survival

Daniel M. Mendes, Boston, MA, United States

14.3 MINI-ORAL ABSTRACT | Donor hematopoietic Cell Expression of PD-L1 is Required for Prevention of Split Tolerance in MHC-mismatched Mixed Chimeras

Yaxun Huang, Duarte, NC, United States

14.4 MINI-ORAL ABSTRACT | ERK Signalling May be Responsible for LGALS1 Increase by Anti-HLA-I Antibody Stimulation in Glomerular Endothelial Cells

Alex Boshart, Toronto, ON, Canada

14.5 MINI-ORAL ABSTRACT | The Role of LAG3 in Antibody Responses to Kidney Transplantation

Michael Nicosia, Cleveland, OH, United States

14.6 MINI-ORAL ABSTRACT | Beneficial Effects of C1q in Resolving Ischemia Reperfusion in Kidney Transplants

Hirotsugu Noguchi, Cleveland, OH, United States

14.7 RAPID-FIRE ABSTRACT | Protein and miRNA Expression Distinguish DSA+ Kidney Transplant Recipients with and without Antibody-mediated Rejection

Kieran Manion, Toronto, ON, Canada



14.8 RAPID-FIRE ABSTRACT | CD38 Activation with Methionine Choline Deficient (MCD)

Diet-induced Liver Injury in Rats

Jung Lye Kim, Columbus, OH, United States

14.9 RAPID-FIRE ABSTRACT | Anti-apoptosis and Necrosis Effect of Necrostatin-1 in Skin and Muscle Cell Lines Subjected to Prolonged Cold Storage and Rewarming:

Implications for Vascularized Composite Allograft Preservation

Po'okela Ng, Aurora, CO, United States

14.10 RAPID-FIRE ABSTRACT | Development of an MHC Class II-specific CAR for the Modulation of Alloreactivity in Mice

Andrew W. Brown, Vancouver, BC, Canada

17:30–18:30 | Grand Georgian Ballroom

#15 | Women in Transplantation Networking Session

Facilitators: Anita S. Chong, United States and Samantha J. Anthony, Canada

Organized by:



Women in Transplantation

Overcoming Barriers to Career Advancement as a Woman in the Field of Transplantation

Jayne Danska, Toronto, ON, Canada and Lorna Marson, Edinburgh, United Kingdom

19:30–22:30

Networking Event at the Chateau des Charmes - SOLD OUT (\$ ticket required)

Bus will depart at 19:00 in front of the hotel



07:00–08:00 | Tiara Restaurant

Breakfast (included for registrants)

08:00–09:20 | Grand Georgian Ballroom

#16 | Influence of Sex and Gender in Transplantation

Moderator: Roslyn B. Mannon, United States and Bethany J. Foster, Canada

16.1 Fetomaternal Tolerance through Glycan-mediated B Cell Suppression

Gabrielle Rizzuto, New York, NY, United States

16.2 Interactions between Sex and Microbiome Responses

Jayne Danska, Toronto, ON, Canada

Speaker supported by:

**16.3 Pregnancy Induced Humoral Sensitization and T Cell Tolerance**

Anita S. Chong, Chicago, IL, United States

16.4 Sex and Gender: Modifiers of health, disease, and medicine

Franck Mauvais-Jarvis, New Orleans, LA, United States

09:20–10:10 | Grand Georgian Ballroom

#17 | Abstracts Session 6

Moderators: Maria Kaiser, United Kingdom and Martin Oberbarnscheidt, United States

17.1 MINI-ORAL ABSTRACT | Optimization of an Antigen-induced Marker Assay to Measure Vaccine-induced Immunity to SARS-CoV-2 in Transplant Recipients

Torin JX Halvorson, Vancouver, BC, Canada

17.2 MINI-ORAL ABSTRACT | Regulatory B Cells Biomarker Discovery and Their Prognostic Value of Improved Graft Outcome and Rejection Risk in Kidney Transplant Patients

Marcella Franquesa, Badalona, Spain

17.3 MINI-ORAL ABSTRACT | Transfer of CD8+T Regulatory Cells GMP Manufacturing for Clinical Trial in Kidney Transplanted Patients

S  verine B  zie, Nantes, France

17.4 MINI-ORAL ABSTRACT | A Longitudinal Study of T and B Cell Subsets in Lung Transplant Patients Before and After Transplantation

Siqi Liu, Groningen, Netherlands

17.5 MINI-ORAL ABSTRACT | Outcomes of Solid Organ Transplantation Recipients after Tixagevimab/Cilgavimab Treatment

Adriana Montalvan, Boston, MA, United States

17.6 RAPID-FIRE ABSTRACT | Donor-derived Cell-free DNA and Gene Expression Profile in Simultaneous Pancreas-Kidney Transplantation

Pedro Ventura-Aguiar, Barcelona, Spain

17.7 RAPID-FIRE ABSTRACT | A Case Study Supporting the Use of AUC0-12 for Therapeutic Drug Monitoring of Mycophenolic Acid Following Liver Transplantation

Claudia C. Beck, Carrollton, TX, United States



10:10–10:30 | Atrium

Coffee Break

10:30–11:00 | Grand Georgian Ballroom

#18 | Abstracts Session 7

Moderators: Martin Hoogduijn, Netherlands and Xunrong Luo, United States

18.2 RAPID-FIRE ABSTRACT | Subpopulations of Blood Lymphocytes in Long-surviving Renal Transplant Patients, Comparison with Healthy Volunteers

Prateek Rakesh, Sydney, Australia

18.3 RAPID-FIRE ABSTRACT | Conversion to Belatacept in Kidney Transplant Recipients

Peter J. Floramonti, Syracuse, NY, United States

18.4 RAPID-FIRE ABSTRACT | Which Pathological Factors Affect Kidney Allograft Outcome in Chronic Active Antibody-mediated Rejection?

Kazunobu Shinoda, Kawasaki, Japan

18.5 RAPID-FIRE ABSTRACT | Frequency and Stability of Subpopulations of CD4+CD25+Foxp3+CD127lo T Regulatory Cells in Healthy Adult Volunteers

Ranje Al-Atiyah, Liverpool, Australia

18.6 RAPID-FIRE ABSTRACT | New Approach to Therapeutic Drug Monitoring of Mycophenolic Acid (MPA) and Mycophenolic Acid Glucuronide (MPAG) Based on Pharmacokinetics for Solid Organ Transplant Patients using LC-MS/MS

Claudia C. Beck, Carrollton, TX, United States

11:00–12:35 | Grand Georgian Ballroom

#19 | New Perspectives in Innate/ILC Immunity and Tissue-resident Leukocytes

Moderators: Robert L. Fairchild, United States and Nina Pilat, Austria

Session supported by:

**ISHLT**
A Society that Includes Basic Science, the
Failing Heart, & Advanced Lung Disease**19.1 Macrophages in Transplantation**

Ben Kopecky, St. Louis, MO, United States

19.2 Innate Allorecognition and Memory

Khodor I. Abou-Daya, Pittsburgh, PA, United States

19.3 Alveolar Macrophages in Lung Transplantation

Stephen Juvet, Toronto, ON, Canada

19.4 MINI-ORAL ABSTRACT | Recipient Derived Monocytes Induced Proliferation of Endogenous Donor-reactive Memory CD8 T Cells within Highly Ischemic Allografts

Hidetoshi Tsuda, Cleveland, OH, United States

19.5 MINI-ORAL ABSTRACT | Defining Protective and Pathogenic Resident Immune Cells in Kidney Transplantation

Martin L. Mak, Toronto, ON, Canada



- 19.6 MINI-ORAL ABSTRACT | Interplay Between Intrahepatic Macrophages and Alloreactive and Regulatory T-Cells Mediates the Complex Alloimmune Microenvironment during Acute Rejection in Clinical Liver Transplantation**

Arianna Barbetta, Los Angeles, CA, United States

- 19.7 MINI-ORAL ABSTRACT | Cell Therapy with Group 2 and Group 3 Innate Lymphoid Cells Prevents Rejection in Humanized Models of Islet Transplant**

Sarah J. Colpitts, Toronto, ON, Canada

- 19.8 MINI-ORAL ABSTRACT | Microvascular Injury with Macrophage, Neutrophil, and HLA-DR Positive Inflammatory Infiltrate, either in DSA Positive or Negative ABMR, Determines the Prognosis in Renal Allografts**

Handan Ozdemir, Ankara, Turkey

12:35–12:45 | Grand Georgian Ballroom

#20 | Closing Address

12:45–13:30 | Atrium

Grab and Go Lunch

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THE INTERNATIONAL TRANSPLANT CONGRESS

ATHENS | 17-20 SEPTEMBER 2023

16 SEPTEMBER 2023

09:00 - 17:00 Education course: on
Immunosuppression

09:00 - 18:00 Basic Science Day

09:00 - 21:00 EDTCO Congress

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Early registration deadline:
31 May 2023



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