



OutcomeDriven  
**TTS2018** | MADRID SPAIN  
June 30 - July 5



The Transplantation Society



# POSTGRADUATE COURSES

JUNE 30  
& JULY 1

Designed specifically for medical professionals in training or for those in the early stages of their careers.

The Postgraduate Courses in Madrid, Spain will open the 27th International Congress of The Transplantation Society (TTS 2018). It will provide a wonderful forum for delegates to explore the innovations in transplantation biology and medicine. The Program also provides valuable interaction by enabling participants to meet and interact with leading scientists, physicians and surgeons in the field of transplantation.



Marcelo Cantarovich, Canada  
Course Co-Director



Medhat Askar, USA  
Course Co-Director



LOW REGISTRATION FEE - \$200 USD



LUNCHES & BREAKS INCLUDED



ACCESS TO TTS 2018 OPENING CEREMONY



ACCESS TO TTS 2018 WEBAPP /  
ATTENDEE DIRECTORY



ACCESS TO ALL AVAILABLE TTS 2018  
SESSION RECORDINGS



TRANSIT PASS & AFFORDABLE HOTELS

## Day 1 | June 30, 2018

- 08:30-10:30 Joint Session 1: Academic Survival Kit**  
Medhat Askar, USA | Jeremy R. Chapman, Australia  
Roslyn B. Mannon, USA | Marcelo Cantarovich, Canada
- 11:15-13:15 Clinical Science 1: The Transplant Fitting Room**  
Shaifali Sandal, Canada | Peter Nickerson, Canada  
Robert A. Montgomery, USA | Dominique Martin, Australia
- Basic Science 1: Innate Immune Response & Microbiome**  
Maria Koulmanda, USA | Carmen Peralta, Spain  
Avery J. Lam, Canada | Jonathan S. Bromberg, USA
- 14:15-16:15 Clinical Science 2: Dealing with the Aftermath**  
Jay Fishman, USA | Camille Kotton, USA  
Germaine Wong, Australia | Gregory Alan Knoll, Canada
- Basic Science 2: T Cells**  
Gavin Pettigrew, United Kingdom | Bernard Vanhove, France  
Sarah Crome, Canada | Megan Sykes, USA
- 16:45-18:45 Clinical Science 3: Precision Thinking**  
Valeria Mas, USA | Minnie Sarwal, USA  
Christophe Legendre, France | Teun van Gelder, The Netherlands
- Basic Science 3: B Cells and Innate Immune System**  
Olivier Thaumat, France | Gavin Pettigrew, United Kingdom  
Jordi Ochando, Spain | Estela Paz-Artal, Spain

## Day 2 | July 1, 2018

- 09:00-10:30 Clinical Science 4: Becoming Precise**  
Michael Mengel, Canada | Sean Agbor-Enoh, USA  
Philip F. Halloran, Canada
- Basic Science 4: Immune Regulation & Flow Standardisation**  
Megan Levings, Canada | Xian C. Li, USA  
Birgit Sawitzki, Germany
- 11:00-12:30 Clinical Science 5: Clinical Crowdsourcing**  
Ulrik Stervbo, Germany | Marina Pérez-Flecha González, Spain  
Bryan Christian Gaza Ilagan, Philippines
- Basic Science 5: Future of Organ Transplant Replacement**  
Daniel G. Maluf, USA | Anil Dhawan, United Kingdom
- 13:30-15:30 Joint Session 2: Future Look at Organ Shortage**  
Giorgio Raimondi, USA | Alfred J. Tector III, USA  
Giuseppe Orlando, USA | Nina Babel, Germany
- 16:00-17:30 Joint Session 3: Transplant Mathathon**  
Joseph Kim, Canada | Dorry Segev, USA  
Marcelo Cantarovich, Canada | Birgit Sawitzki, Germany

VISIT OUR WEBSITE **WWW.TTS2018.ORG**  
TO REGISTER TODAY!

**Joint Session 1: Academic Survival Kit****Transplant Educator**  
Medhat Askar, USA**Preparing an Abstract and a Manuscript**  
Jeremy R. Chapman, Australia**How To Write a Grant**  
Roslyn B. Mannon, USA**How to Prepare and Present Slides**  
Marcelo Cantarovich, Canada**Joint Session 2:  
Future Look at Organ Shortage****Tolerance**  
Giorgio Raimondi, USA**Xenotransplantation**  
Alfred J. Tector III, USA**Bioengineering and Regeneration of Solid Organs: Current Status and Future Directions**  
Giuseppe Orlando, USA**Nina Babel, Germany  
Advanced Biomarkers of Graft Function & Failure****Joint Session 3:  
Transplant Mathathon****How to Understand and Use Statistics**  
Joseph Kim, Canada**Big Data in Transplantation**  
Dorry Segev, USA**Take Home Message (Clinical Science Path)**  
Marcelo Cantarovich, Canada**Take Home Message (Basic Science Path)**  
Birgit Sawitzki, Germany**Clinical Science Session 1:  
The Transplant Fitting Room****Pre-transplant Work-up**  
Shaifali Sandal, Canada**Histocompatibility Testing (Pre & Post)**  
Peter Nickerson, Canada**Management of the Highly Sensitized Patient**  
Robert A. Montgomery, USA**Ethical Dilemmas in Solid Organ Transplantation**  
Dominique Martin, Australia**Clinical Science Session 2:  
Dealing with the Aftermath****Donor Derived Infections**  
Jay Fishman, USA**Transplant Infectious Diseases**  
Camille Kotton, USA**Transplant Malignancies**  
Germaine Wong, Australia**Cardiovascular and Metabolic Complications**  
Gregory Alan Knoll, Canada**Clinical Science Session 3:  
Precision Thinking****Systems Biology**  
Valeria Mas, USA**Biomarkers of Graft Function & Failure**  
Minnie Sarwal, USA**Immunosuppression**  
Christophe Legendre, France**Pharmacogenomics & Precision Medicine**  
Teun van Gelder, The Netherlands**Clinical Science Session 4:  
Becoming Precise****Transplant Pathology**  
Michael Mengel, Canada**Liquid Biopsy**  
Sean Agbor-Enoh, USA**Molecular Microscope**  
Philip F. Halloran, Canada**Clinical Science Session 5:  
Clinical Crowdsourcing****TCR NGS Based Evidence for Differential Diagnosis and Personalized Therapy in BKV Nephropathy**  
Ulrik Stervbo, Germany**Day to Day Decision in Multi-Visceral Transplantation Immunosuppression**  
Marina Pérez-Flecha González, Spain**The Great Pretender: When What You See, Is Not What You Get. An Unusual Presentation of Lung Cancer on a Post Kidney Transplant Patient**  
Bryan Gaza Ilagan, Philippines**Basic Science Session 4:  
Immune Regulation & Flow Standardisation****Regulatory T and B Cells**  
Megan Levings, Canada**Tolerogenic Function of Innate Immune Cells**  
Xian C. Li, USA**Strategies to Standardize and Objectify Assays e.g. Flow Cytometry Automate Gating**  
Birgit Sawitzki, Germany**Basic Science Session 5:  
The Future of Organ Transplant Replacement****Genomics & Epigenomics in Transplantations**  
Daniel G. Maluf, USA**Cellular Therapy for Liver Disease and Liver Regeneration**  
Anil Dhawan, United Kingdom**Basic Science Session 1:  
Innate Immune Response & Microbiome****Inflammatory Triggers and Receptors - DAMPs and PAMPs**  
Maria Koulmanda, USA**Inflammasome-mediated Inflammation**  
Carmen Peralta, Spain**Alarmins and Their Receptors in Control of the Allo-immune Response**  
Avery J. Lam, Canada**Microbiome Analysis**  
Jonathan S. Bromberg, USA**Basic Science Session 2:  
T Cells****Allorecognition by the Adaptive Immune System: Direct, Indirect, and Semidirect**  
Gavin Pettigrew, United Kingdom**CD4 Effector T Cells: Activation, Costimulation, Th Repertoire, and (Finally) Exhaustion!**  
Bernard Vanhove, France**Tissue-resident Immune Cells**  
Sarah Crome, Canada**Utilizing TCR & BCR-Seq to Study Antigen-specific Immune Responses**  
Megan Sykes, USA**Basic Science Session 3:  
B Cells and Innate Immune System****Update on B Cell Activation, Memory and Antibody Secreting Cells**  
Olivier Thauinat, France**Targeting B Cells and Ab-Producing Cells**  
Gavin Pettigrew, United Kingdom**Adaptive Function of NK Cells & Macrophages**  
Jordi Ochando, Spain**Innate Lymphoid Cells**  
Estela Paz-Artal, Spain