

ITS Meeting 2022



15 May - 18 May 2022 | Berlin, Germany

The 2nd International Transplantation Science (ITS) meeting, jointly organised by the American Society of Transplantation (AST), The Transplantation Society (TTS) and the European Society of Transplantation (ESOT), will be held between 15th and 18th of May 2022 in Berlin, Germany.

The ITS meeting 2022 is intended to provide in-depth, cutting-edge talks from leading experts addressing challenges that arise from connecting basic fundamental to translational science in transplantation. We will dedicate sessions to discussions on pathologic antibodies in transplantation, mechanisms of tolerance, and both new trends in transplant therapeutics and organ regeneration that hold diagnostic and therapeutic promise. Other sessions will tackle topics of biomarkers, biobanks and Big Data in transplantation. Moreover, we include selected subjects ranging from innate immunity to metabolomics in transplantation. Our educational pre-meeting will focus on the breakthrough and challenges in Single Cell Multimodal Omics. Programme will also embrace round table discussions which will focus on various topics such as role of the scientists or discussions with transplant patients.

This meeting will not only serve as an international platform for scientific discussions on the latest ground-breaking discoveries in the field but will also provide an excellent opportunity to present your own work to the scientific community. We hope this will allow for the exchange of new ideas and establishment of collaborative work between advanced transplant experts, young professionals and early stage researchers.

On behalf of AST, TTS and ESOT we welcome you in Berlin!

Let's actively contribute to an exciting and stimulating scientific meeting that will inspire and challenge you with updates on recent research and developments in the field of transplantation!





Only
1 in ~300,000
donors meet
her needs¹

She needs a new kidney, but with high anti-HLA antibodies and a cPRA of 99.999% she would need ~300,000 match runs to give a 95% probability of finding an acceptably matched donor.^{1,2}

You're committed to making the transplant happen, we're committed to helping you have the option.



1. Keith DS, et al. Clin J Am Soc Nephrol. 2016;11(4):684-693.

2. Kappachi S, Axelrod DA. Transpl Int. 2020;33(3):251-259.

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Job code: HANS-PR.EEA.22.006-001 Date of preparation: April 2022

GENERAL INFORMATION

#ITSmeeting

Dates & place

15 – 18 May 2022, Berlin, Germany

Venue

Hotel Titanic Chausse Berlin

Chausseestraße 30, 10115 Berlin, Germany

Website: www.titanic.com.tr/titanic-chaussee-berlin

Registration Desk

ITS Meeting Team will be happy to assist you at the registration desk on the following days

Sunday, 15 May 12:00 - 17:00

Monday, 16 May 07:30 - 19:00

Tuesday, 17 May 07:30 - 18:00

Wednesday, 18 May 07:30 - 13:00

Accreditation

The International Transplant Science (ITS) Meeting, Berlin, Germany, 15/05/2022-18/05/2022 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 19 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity. Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities. Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

In order to help you issue individual certificates to each participants, please find below the breakdown of ECMEC®s per day:

15.05.2022 - 2.00

16.05.2022 - 6.00

17.05.2022 - 7.00

18.05.2022 - 4.00



Monday, 16 May at 17:30 in the Exhibition Area

On Monday at 17:30 directly after the final session, Women in Transplantation is inviting all ITS 2022 delegates to Networking Cocktail in the Exhibition Area. This event will be combined with moderated e-Poster presentations - one of the best e-posters submitted to the meeting.

Please join us for this scientific gathering in less formal atmosphere!

Supported by:  **Women in Transplantation**  an Initiative of
The Transplantation Society

Tuesday, 17 May at 19:30 in Beach Mitte

On Tuesday at 19:30 we invite delegates to join us for an offsite event at:

Beach Mitte
Caroline-Michaelis-Str. 8
Berlin

This event is free of charge, but please note that you need to be registered. Make sure you have registered or reported it to the Registration Desk no later than by Monday at 13:00.

For those who wish to walk together to the venue, we will be meeting in the Titanic Chausse lobby at 19:00



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ECP: extracorporeal photopheresis.

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¹Knobler R et al. European dermatology forum - updated guidelines on the use of extracorporeal photopheresis 2020 - Part 1. J Eur Acad Dermatol Venereol 2020; 34(2):2693-2716.

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Item Code: EU-2100776. Date of preparation: August 2021

Scientific Organising Committee

Jonathan Bromberg
Western Maryland Regional Medical Center
University of Maryland
Baltimore, USA

Anita Chong
University of Chicago
Chicago, USA

Fadi Issa
Buckinghamshire Healthcare NHS Trust
University of Oxford
Oxford, UK

Katja Kotsch
Institute of Medical Immunology
Charité-Universitätsmedizin Berlin
Berlin, Germany

Xunrong Luo
Duke University Medical Center
Duke Transplant Center
Durham, USA

Nina Pilat
Medical University of Vienna
Vienna, Austria



PROGRAMME AT A GLANCE

#ITSmeeting

SUNDAY | 15 May

MONDAY | 16 May

TUESDAY | 17 May

WEDNESDAY | 18 May

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Single Cell Multimodal Omics? (Part 1)

Break

Single Cell Multimodal Omics? (Part 2)

Session 1: B cells, Protective and Pathogenic Antibodies

Break

Session 2: Biobanks and bioassays

Break

Break

Satellite Symposium (EUROFINS)

Session 3: Innate Immunity

Break

Session 4: Scientific leadership in transplantation

Networking Cocktail

Networking Cocktail

Moderated e-Poster 1

Moderated e-Poster 2

Session 5: Marginal organs and ex-vivo machine perfusion

Break

Session 6: Mechanisms of alloimmunity and tolerance

Break

Break

Satellite Symposium (MALLINKRODT)

Session 7: COVID-19 – Immunological response to vaccination

Break

Session 8: Keynote lecture

Session 9: Patient and surgeon: two perspectives on heart transplantation

Networking Event
19:30 – 22:00
Beach Mitte
Caroline-Michaels-Str. 8 | Berlin

Session 10: Basic mechanisms of organ regeneration

Break

Best Abstracts Session
"A star is born"

Break

Session 11: Biomarkers and Big data

Awards and Closing

- Pre-workshop session
- Panel discussion session
- Moderated e-Poster
- Plenary sessions
- Satellite sessions



Day 1: 15 May 2022 | Sunday

15:00 – 17:30 Pre-Workshop: Single Cell Multimodal Omics?

Chairs: Anita Chong | Chicago, United States
Janine Altmüller | Berlin, Germany

15:00 – 15:20 Multimodal single-cell approaches shed light on T-cell heterogeneity Ricardo Ferreira | Oxford, United Kingdom

15:20 – 15:40 Single-cell multi-omics profiling to understand disease progression cell-by-cell Matthias Farlik | Vienna, Austria

15:40 – 16:00 Questions and discussion

16:00 – 16:30 COFFE BREAK

16:30 – 16:50 Monitoring genetic stability by single-cell sequencing Ashley D. Sanders | Berlin, Germany

16:50 – 17:10 Single Cell Transcriptomics in Discovering Novel Cellular Pathways for Kidney Transplant Rejection Xunrong Luo | Durham, United States

17:10 – 17:30 Discussion panel with all speakers



Day 2: 16 May 2022 | Monday

08:20 – 08:30 Opening: Official Welcome to the ITS 2022
Anita Chong | Chicago, United States
Fadi Issa | Oxford, United Kingdom
Nina Pilat | Vienna, Austria

08:30 – 10:30 Session 1: B cells, Protective and Pathogenic Antibodies
Chairs: Aravind Cherukuri | Pittsburgh, United States
Cees van Kooten | Leiden, The Netherlands



08:30 – 08:50 Autoreactive innate B cells infiltrate kidney allografts undergoing AMR Anita Chong | Chicago, United States

08:50 – 09:10 Intragraft antibody responses in human cardiac allograft vasculopathy Emmanuel Zorn | New York, United States

09:10 – 09:30 Implementation and impact of assessing alloreactive memory B cells in kidney transplantation Oriol Bestard | Barcelona, Spain

09:30 – 09:37 [OP 07] CHANGES OF IMMUNOGLOBULIN E-RECEPTOR POSITIVE CELL SUBSETS AFTER CARDIAC ALLOGRAFT REJECTION IN MICE
Anna Marianne Weijler | Vienna, Austria

09:37 – 09:44 [OP 08] A NOVEL IMMUNOSUPPRESSIVE COMPOUND (79-6) THAT TARGETS BCL6 PREVENTS THE HUMORAL ALLORESPONSE
Rens Kraaijeveld | Rotterdam, The Netherlands

09:44 – 09:51 [OP 09] CIRCULATING AND INTRAGRAFT DONOR(HLA)-SPECIFIC B CELLS DRIVE ALLOGRAFT REJECTION AFTER KIDNEY TRANSPLANTATION
Alba Torija | Hospitalet de Llobregat, Spain

09:51 – 10:30 Discussion panel with all speakers

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 Session 2: Big Data and Artificial Intelligence
Chairs: Maria Kaisar | Oxford, United Kingdom
Xunrong Luo | Durham, United States



11:00 – 11:20 Genomic-related applications in kidney transplantation Sophie Limou | Nantes, France

11:20 – 11:40 Machine learning in clinical transplantation Katie Connor | Edinburgh, United Kingdom

11:40 – 12:00 Big data and artificial intelligence in liver transplantation Ali Zarrinpar | Gainesville, United States

12:00 – 12:30 Discussion panel with all speakers

12:30 – 14:00 LUNCH BREAK | POSTER VIEWING



13:00 – 14:00 SATELLITE SYMPOSIUM

14:00 – 15:30 Session 3: Innate Immunity

Chairs: Katja Kotsch | Berlin, Germany

Cees van Kooten | Leiden, The Netherlands

14:00 – 14:20 Lymph node fibroblastic reticular cells steer immune responses Jonathan S Bromberg | Baltimore, United States

14:20 – 14:40 Innate lymphoid cells Andreas Diefenbach | Berlin, Germany

14:40 – 14:47 [OP 14] OCCURRENCE OF VIRAL INFECTIONS MAY BE PREDICTED BY LONGITUDINAL MONITORING OF TORQUE-TENO VIRUS IN PEDIATRIC KIDNEY TRANSPLANT PATIENTS Fabian Eibensteiner | Vienna, Austria

14:47 – 14:54 [OP 15] COMPLEMENT SYSTEM ACTIVATION IN BRAIN DEATH AND THE EFFECT OF LUMINAL INTESTINAL PRESERVATION

Marc Weiss | Aarhus, Denmark

14:54 – 15:30 Discussion panel with all speakers



15:30 – 16:00 COFFEE BREAK

16:00 – 17:30 Session 4: DISCUSSION PANEL Scientific Leadership in Transplantation

Chairs: Caroline Dudreuilh | London, United Kingdom
Nina Pilat | Vienna, Austria



Discussion panel on:

- Career challenges
- Value of mentorship
- Do's and don'ts while doing PhD

All participants are invited to watch a movie prior to the meeting. We wish to use it as a base for discussion. Movie: **"Picture a scientist"** available on streaming platform Netflix.

You can also view it via [THIS LINK](#) (password: ttspas)

Movie: Picture a Scientist (<https://www.pictureascientist.com/>)

PICTURE A SCIENTIST chronicles the groundswell of researchers who are writing a new chapter for women scientists. Biologist Nancy Hopkins, chemist Raychelle Burks, and geologist Jane Willenbring lead viewers on a journey deep into their own experiences in the sciences, ranging from brutal harassment to years of subtle slights. Along the way, from cramped laboratories to spectacular field stations, we encounter scientific luminaries - including social scientists, neuroscientists, and psychologists - who provide new perspectives on how to make science itself more diverse, equitable, and open to all.

Anita Chong | Chicago, United States
Andreas Zuckermann | Vienna, Austria
Liset Pengel | Oxford, United Kingdom
Fadi Issa | Oxford, United Kingdom

17:30 – 19:00 Networking Event



Women in Transplantation

an Initiative of
The Transplantation Society



18:00 – 18:30 Moderated e-Poster Session 1 [POSTER AREA]

Chairs: Thomas Resch | Innsbruck, Austria

18:00 – 18:05 [POS 80] VALIDATION OF THE OPTIMAL TT VIRUS RANGE FOR RISK STRATIFICATION OF GRAFT REJECTION AND INFECTION IN KIDNEY TRANSPLANT RECIPIENTS BY TTV R-GENE® Frederik Hauptenthal | Vienna, Austria

18:05 – 18:10 [POS 47] withdrawn

18:10 – 18:15 [POS 59] withdrawn

18:15 – 18:20 [POS 61] CHIMERISM AND BIDIRECTIONAL ALLORESPONSES IN PATIENTS RECEIVING LUNG TRANSPLANTATION Jianing Fu | New York, United States

18:20 – 18:25 [POS 68] HUMORAL RESPONSE TO 3 AND 4 DOSES OF MRNA COVID-19 VACCINE IN KIDNEY TRANSPLANT RECIPIENTS WITHOUT PRIOR SEROCONVERSION Clara Brandstetter | Linz, Austria

18:25 – 18:30 [POS 46] A PIG CROSS-CIRCULATORY PLATFORM FOR MONITORING AND MODULATING THE INNATE RESPONSES IN LUNG GRAFTS. Matthieu Glorion | Suresnes, France

18:30 – 19:00 Moderated e-Poster Session 2 [POSTER AREA]

Chairs: Bill Scott | Newcastle, United Kingdom

18:30 – 18:35 [POS26] SINGLE CELL ALLOREACTIVE TCR REPERTOIRE PROFILING Alexandra Sharland | Sydney, Australia

18:35 – 18:40 [POS 33] DONOR-SPECIFIC HYPORESPONSIVENESS FOLLOWING KIDNEY TRANSPLANTATION EXPLAINED BY LOSS OF DONOR-REACTIVE POLYFUNCTIONAL CD4+ EFFECTOR MEMORY T CELLS Amy van der List | Rotterdam, Netherlands

18:40 – 18:45 [POS 34] DYNAMIC OF DONOR DERIVED CELL- FREE DNA AFTER PANCREAS TRANSPLANTATION Maria José Ramírez-Bajo | Barcelona, Spain

13:45 – 18:50 [POS 39] NON-INVASIVE METABOLITE-BASED URINE SIGNATURE DETECTS OVER-IMMUNOSUPPRESSION IN RENAL TRANSPLANT RECIPIENTS. Dirk Kuypers | Leuven, Belgium

18:50 – 18:55 [POS 40] NOVEL AVENUE OF ALLOGRAFT MONITORING: DIRECT MEASUREMENT OF DONOR-DERIVED EXTRACELLULAR VESICLES IN HUMAN PLASMA Wouter Woud | Rotterdam, Netherlands

18:55 – 19:00 [POS 45] TISSUE BIOENERGETICS DURING THE EARLY PHASE OF NORMOTHERMIC MACHINE PERFUSION OF THE LIVER PREDICTS CLINICAL OUTCOME AFTER TRANSPLANTATION Andras T. Meszaros | Innsbruck, Austria



Day 3: 17 May 2022 | Tuesday

08:30 -10:00 Session 5: Marginal organs and ex-vivo machine perfusion

Chairs: Georg Lurje | Berlin, Germany

Cyril Moers | Groningen, The Netherlands

08:30 – 08:50 Improving outcomes in liver transplantation with HOPE Zoltan Cziganý | Aachen, Germany

08:50 – 09:10 Pumping kidneys as a solution for everything? Cyril Moers | Groningen, The Netherlands

09:10 – 09:30 Silencing HLA expression through ex vivo machine perfusion Constanca Figueiredo | Hannover, Germany

09:30 – 09:37 [OP 16] EXTRACELLULAR VESICLE SUBSETS RELEASED DURING NORMOTHERMIC MACHINE PERFUSION ARE ASSOCIATED WITH HUMAN KIDNEY CHARACTERISTICS Wouter Woud |

Rotterdam, The Netherlands

09:37 – 09:44 [OP 17] LIVER NORMOTHERMIC MACHINE PERFUSION SUPPORTS TRANSLATION AND MITOCHONDRIAL FUNCTION AND REDUCES DEGRADATION AND METABOLIC IMBALANCE Maria Letizia Lo Faro |

Oxford, United Kingdom

09:44 – 09:51 [OP 18] REMOVAL OF NEUTROPHIL EXTRACELLULAR TRAPS DURING EX VIVO LUNG PERFUSION SHOWS IMPROVEMENT OF LUNG FUNCTION IN A PORCINE LUNG INJURY MODEL Margareta Mittendorfer | Lund, Sweden

09:51 – 10:30 Discussion panel with all speakers

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30 Session 6: Mechanisms of alloimmunity and tolerance

Chairs: Marisa Alegre | Chicago, United States

Elke Eggenhofer | Regensburg, Germany

11:00 – 11:20 The holy grail of (central) tolerance: Generation of MHC/peptide ligands for T cell repertoire selection Ludger Klein | Munich, Germany

11:20 – 11:40 Selective co-stimulation blockade with antagonist anti-CD28 therapeutics in transplantation Gilles Blancho | Nantes, France

11:40 – 11:47 [OP 19] GPR109A ACTIVATION IN HUMAN REGULATORY MACROPHAGES ENHANCES INDUCED TREG GENERATION

Laura Cordero | Regensburg, Germany

11:47 – 11:54 [OP 20] INTRINSIC TISSUE FACTORS PREDISPOSE SUSCEPTIBILITY OF ISCHEMIA-REPERFUSION INJURY BY INFLUENCING THE RECRUITMENT OF TREGS INTO KIDNEY ALLOGRAFTS Zheng Zhang | Chicago, United States

11:54 – 12:30 Discussion panel with all speakers

12:30 – 14:00 LUNCH BREAK | POSTER VIEWING



13:00 – 14:00 SATELLITE SYMPOSIUM

14:00 – 15:30 Session 7: COVID-19 – immunological response to vaccination

Chairs: Anita Chong | Chicago, United States

Katja Kotsch | Berlin, Germany

14:00 – 14:20 SARS-CoV2 vaccination of adolescent and adult kidney transplant recipients: outcomes after different approaches based on comprehensive humoral-, B- and T cell analysis Arne Sattler | Berlin, Germany

14:20 – 14:40 Low-Avidity CD4 + T Cell Responses to SARS-CoV-2 in Unexposed Individuals and Humans with Severe COVID-19 Petra Bacher | Kiel, Germany

14:40 – 14:47 [OP 21] THREE-DOSE COURSE OF MRNA-1273 COVID-19 VACCINE IN KIDNEY TRANSPLANT RECIPIENTS: EVOLUTION OF CELLULAR AND HUMORAL IMMUNITY David Cucchiari | Barcelona, Spain

14:47 – 14:54 [OP 22] B CELL COMPOSITION IS ALTERED AFTER KIDNEY TRANSPLANTATION AND TRANSITIONAL B CELLS CORRELATE WITH SARS-COV-2 VACCINATION RESPONSE Max Schuller | Graz, Austria

14:54 – 15:01 [OP 23] ASSESSING SARS-COV-2-SPECIFIC ADAPTIVE IMMUNITY TO PREDICT SEROCONVERSION AFTER MRNA-BASED VACCINATION IN SOT Laura Donadeu | Barcelona, Spain

15:01 – 15:30 Discussion panel with all speakers

15:30 – 16:00 COFFEE BREAK

13:00 – 14:00 SATELLITE SYMPOSIUM

14:00 – 15:30 Session 7: COVID-19 – immunological response to vaccination

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15:01 – 15:30 Discussion panel with all speakers

15:30 – 16:00 COFFEE BREAK



16:00 – 17:00 Session 8: Keynote lecture

Chairs: Jonathan Bromberg | Baltimore, United States

16:00 – 16:45 Single cell profiling of myeloid cell in health and disease Florent Ginhoux | Singapore

16:45 – 17:00 Q&A session

17:00 – 18:00 Session 9: You make us look good... (Patients are the real heroes)

Chairs: Jonathan Bromberg | Baltimore, United States

Session will focus on looking at the specific case seen from perspective of surgeon and his patient after heart transplantation.

Patient: Milos Nikolic | Belgrade, Serbia

Surgeon: Andreas Zuckermann | Vienna, Austria

19:30 – 22:00 Networking Event (offsite)

Beach Mitte

Caroline-Michaelis-Str. 8

10115 Berlin

For those who wish to walk together we will be meeting at 19:15 in the lobby of the venue.



Day 4: 18 May 2022 | Wednesday

08:30 – 10:00 Session 10: Basic mechanisms of organ regeneration & organoids
Chairs: Elke Eggenhofer | Regensburg, Germany
Bill Scott | Newcastle, United Kingdom



08:30 – 08:50 Organoids and liver regenerative medicine Luc van der Laan | Rotterdam, The Netherlands

08:50 – 09:10 Kidney organoids Nuria Montserrat | Barcelona, Spain

09:10 – 09:17 [OP 10] DE NOVO SIX2 ACTIVATION IN HUMAN KIDNEYS TREATED WITH NEONATAL KIDNEY STEM/PROGENITOR CELLS DURING NORMOTHERMIC MACHINE PERFUSION Fanny Arcolino | Leuven, Belgium

09:17 – 09:24 [OP 11] ADMINISTRATION OF MESENCHYMAL STROMAL CELLS TO REJECTED DONOR LUNGS RESULTS IN REGENERATION AND REDUCTION OF PRIMARY GRAFT DYSFUNCTION Anna Nirromand | Lund, Sweden

09:24 – 09:31 [OP 12] withdrawn

09:31 – 09:38 [OP 13] 17 β -ESTRADIOL AND METHYLPREDNISOLONE ASSOCIATION AMELIORATES LUNG INFLAMMATION AFTER BRAIN DEATH IN FEMALE RATS Marina Vidal-dos-Santos | Sao Paulo, Brazil

09:38 – 10:00 Discussion panel with all speakers

10:00 – 10:30 COFFEE BREAK



10:30 – 12:00 Best Abstracts Session "A star is born"

Chairs: Marisa Alegre | Chicago, United States

Nina Pilat | Vienna, Austria

10:30 – 10:42 [OP 01] TARGETED DELIVERY OF GALUNISERTIB SUPPRESSES FIBROGENESIS IN AN INTEGRATED EX VIVO RENAL TRANSPLANT AND FIBROSIS MODEL Leonie van Leeuwen | Groningen, The Netherlands

10:42 – 10:54 [OP 02] IMPLICATION OF CD8⁺ CELLS IN TREG MEDIATED SKIN GRAFT SURVIVAL Romy Steiner | Vienna, Austria

10:54 – 11:06 [OP 03] RENAL-RESIDENT INNATE LYMPHOID CELLS TYPE 2 ARE LOST FOLLOWING RENAL TRANSPLANTATION AND ARE NOT RESTORED AFTER THERAPEUTIC IL-33 TREATMENT An He | Berlin, Germany

11:06 – 11:18 [OP 04] REGULATORY T CELLS SUPPRESS MEMORY IL-17A PRODUCTION IN HIGHLY SENSITISED PATIENTS WITH END-STAGE RENAL DISEASE Caroline Dudreuilh | London, United Kingdom

11:18 – 11:30 [OP 05] THE ROLE OF CHIMERIC ANTIGEN RECEPTOR (CAR) VERSUS ENDOGENOUS CO-STIMULATION IN THE FUNCTION OF ALLOANTIGEN-SPECIFIC TREGS Isaac Rosado-Sánchez | Vancouver, Canada

11:30 – 11:42 [OP 06] TRANSITIONAL-1 B CELL IL-10/TNFA RATIO RISK-STRATIFIES RENAL TRANSPLANT PATIENTS WITH EARLY BORDERLINE CHANGE Aravind Cherukuri | Pittsburgh, United States

11:42 – 12:00 Discussion with all speakers

12:00 – 12:30 BREAK (LIGHT LUNCH)

12:30 – 14:00 Session 11: Biobanks and Bioassays

Chairs: Maria Kaisar | Oxford, United Kingdom

Nina Pilat | Vienna, Austria

12:30 – 12:50 Quality in Organ Donation and Transplantation. From clinical samples to whole organs bioresource Sarah Cross | Oxford, United Kingdom

12:50 – 13:10 The alloreactive T cell repertoire Jianing Fu | New York, United States

13:10 – 13:30 Bioassays to determine activity of extracellular matrix remodelling can contribute to an accurate prognosis in kidney transplant recipient Federica Genovese Herlev, Denmark

13:30 – 14:00 Discussion panel with all speakers

14:00 – 14:30 AWARDS CEREMONY & CLOSING





Bump the Biopsy.

OMNIGRAF™

The first and only non-invasive panel that combines **gene expression** and **ddcf-DNA** for the earliest and most accurate view of kidney transplant rejection

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and learn more at omnigraf.com

EUROFINS

Lunch Symposium

Monday, 16 May | 13:00 – 14:00

The Future of Transplant Biomarkers in Europe

Moderator: Maria Paula Gomez

13:00-13:10 hrs. Current biomarker use for the management of transplant patients, Clinical Adoption – Dr. Bill Scott

13:10-13:25 hrs. Gene Expression Technology – Dr. Juston Weems

13:25-13:40 hrs. Innovative Donor Derived Cell-Free DNA technology – Dr. Steve Kleiboeker

13:40-13:50 hrs. Where is the future? – Dr. Bill Scott

13:50-14:00 hrs. Q&A/wrap

MALLINCKRODT

Lunch Symposium

Tuesday, 17 May | 13:00 – 14:00

Extracorporeal Photopheresis (ECP) after solid organ transplantation, possible role in ABMR and high risk patients.

Moderator: James Hutchinson

13:00-13:05 hrs. Introduction - James Hutchinson

13:05-13:25 hrs. Immunological mechanism of ECP in SOT patients - James Hutchinson

13:25-13:45 hrs. ECP in high risk patients after HTX - Johannes Gökler

13:45-14:00 hrs. Q&A





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International Transplantation Science Meeting

