



12th EPITA Symposium & 41st AIDPIT Workshop

22-24 January 2023,
Innsbruck-Igls, Austria

#ESOT_EPITA

SCIENTIFIC PROGRAMME

Day 1 – Sunday 22 January 2023

17:15 – 17:30 WELCOME BY EPITA CHAIR AND VICE-CHAIR

Julie Kerr-Conte | Lille, France
Steve White | Newcastle, United Kingdom

17:30 – 18:30 OPENING SESSION

Chairs: *Julie Kerr-Conte | Lille, France; Steve White | Newcastle, United Kingdom*

17:30 – 18:00 The Pfeiffer Memorial Lecture: Are we any closer to xenotransplantation in the clinic?
Bernhard J Hering | Minnesota, United States

18:00 – 18:30 Reprogramming human regulatory T cells to promote transplant tolerance
Georgia Fousteri | Milan, Italy

18:30 – 19:30 **Networking event**

Day 2 – Monday 23 January 2023

08:30 – 09:30 IMMUNOLOGY & REJECTION

Chairs: *Claudia Bösmüller | Innsbruck, Austria; Andrea Peloso | Geneva, Switzerland*

08:30 – 09:00 Immunopathology of rejections in beta cell replacement
Olivier Thauinat | Lyon, France

09:00 – 09:30 Vascular Sentinel Skin Flaps to detect rejection in Pancreas Transplantation
Annemarie Weissenbacher | Innsbruck, Austria

09:30 – 10:00 **Coffee break**

10:00 – 12:00 MAKING IT LAST

Chairs: *Eelco de Koning | Leiden, The Netherlands; Tim Scholz | Uppsala, Sweden*

10:00 – 10:30 Managing the marginal islet and pancreatic graft
Michiel Nijhoff | Leiden, The Netherlands

10:30 – 11:00 Changing gears: new clinical experiences in islet transplantation
Piotr Witkowski | Chicago, United States

11:00 – 11:30 Discussion Panel

Panelists: *Joana Ferrer | Barcelona, Spain; Shareen Forbes | Edinburgh, United Kingdom; Paola Maffi | San Raffaele, Italy; Marie Christine Vantuyghem | Lille, France; Fabio Vistoli | Pisa, Italy Steve White | Newcastle, United Kingdom*



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11:30 – 12:30 ORAL PRESENTATIONS

Chairs: *Shadab Abadpour | Oslo, Norway; Marten Engelse | Leiden, The Netherlands*

- 11:30 – 11:40 OP01 DEVELOPMENT OF AN ARTIFICIAL INTELLIGENCE MODEL TO SELECT DONORS FOR ISLET TRANSPLANTATION
Pierre Bauvin | Lille, France
- 11:40 – 11:50 OP02 IMPROVED PANCREATIC ISLET ISOLATION YIELD AFTER ABDOMINAL NORMOTHERMIC REGIONAL PERFUSION OF CONTROLLED DONATION AFTER CIRCULATORY DEATH DONORS
Rutger van Rooden | Leiden, The Netherlands
- 11:50 – 12:00 OP03 INSULIN THERAPY AND WEIGHT GAIN IN TYPE 1 DIABETES (T1D): WHAT CAN WE LEARN FROM ISLET TRANSPLANTATION?
Arnaud Jannin | Lille, France
- 12:00 – 12:10 OP04 ISLETWIPE: THE PLATFORM VALIDATION BY THREE INDEPENDENT CENTRES
David Habart | Prague, Czech Republic
- 12:10 – 12:20 OP05 TNF-A BLOCKADE IN IMMUNOSUPPRESSED ISLET TRANSPLANT RECIPIENTS - A STUDY ON IN VITRO, CLINICAL AND CITR-DERIVED DATA
Cyril Landstra | Leiden, The Netherlands
- 12:20 – 12:30 OP06 WHAT DO PATIENTS WANT FROM BETA CELL REPLACEMENT DEVICES?
Aart van Apeldoorn | Maastricht, The Netherlands

12:30 – 14:00 Lunch break

Moderated posters

Chairs: *Ekaterine Berishvili | Geneva, Switzerland; Valeria Sordi | Milan, Italy*
Industry-sponsored satellite symposium (TBC)

14:00 – 15:00 BETA CELL REPLACEMENT USING DCD

Chairs: *Joana Ferrer | Barcelona, Spain; Fabio Vistoli | Pisa, Italy*

- 14:00 – 14:20 ISLET Transplant from DCD 'The Dutch Experience'
Jason B Doppenberg | Leiden, The Netherlands
- 14:20 – 14:40 Pancreas transplantation from DCD 'The French Experience.'
Julien Branchereau | Nantes, France
- 14:40 – 15:00 UK experience of DCD in pancreas and islet transplantation
Anand Muthusamy | West London, United Kingdom

15:00 – 16:00 ORAL PRESENTATIONS

Chairs: *Robert Pol | Groningen, The Netherlands;*

- 15:00 – 15:10 OP07 DYNAMIC CONTRAST-ENHANCED ULTRASOUND (DCEUS) IN PANCREATIC TRANSPLANTATION: NORMAL VALUES AND ITS POTENTIAL UTILITY IN EVALUATING REJECTION



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Clara Bassaganyas | Barcelona, Spain

- 15:10 – 15:20 OP08 EXPERIENCE OF 105 PANCREAS RETRANSPLANTS AND PREDICTORS OF OUTCOME
Marcelo Perosa | Sao Paulo, Brazil
- 15:20 – 15:30 OP09 PREDISPOSING FACTORS TO MAJOR ADVERSE CARDIOVASCULAR EVENTS FOLLOWING SIMULTANEOUS PANCREAS-KIDNEY TRANSPLANTATION
Catarina Almeida | Vila Nova de Gaia, Portugal
- 15:30 – 15:40 OP10 PROGRESSION OF DIABETIC RETINOPATHY AFTER PANCREAS AND KIDNEY TRANSPLANTATION IN A PROSPECTIVE RANDOMIZED TRIAL COMPARING EVEROLIMUS VERSUS MYCOPHENOLATE
Barbora Hagerf (Voglová) | Prague, Czech Republic
- 15:40 – 15:50 OP11 REFERRAL PRACTICES AND RECIPIENT OUTCOMES OF RECIPIENTS WITH TYPE 2 DIABETES MELLITUS UNDERGOING SIMULTANEOUS PANCREAS AND KIDNEY TRANSPLANT
Ruth Owen | Newcastle, United Kingdom
- 15:50 – 16:00 OP12 A PROSPECTIVE STUDY OF DONOR-SPECIFIC ANTI-HLA ANTIBODY MONITORING IN PANCREAS TRANSPLANTATION
Marcelo Perosa | São Paulo, Brazil
- 16:00 – 16:30 Coffee break**
- 16:30 – 17:30 DEBATE: GRAFT FAILURE SHOULD BE TREATED WITH RETRANSPLANTATION OR TECHNOLOGY?**
Chairs: *Mike Rickels | Pennsylvania, United States; Peter Stock | San Francisco, United States*
- The case for retransplantation with a pancreas
Lucrezia Furian | Padova, Italy
 - The case for retransplantation with islets
James Shaw | Newcastle, United Kingdom
 - Technology is superior to both
Anne Wojtuszczyzn | Lausanne, Switzerland
- 17:30 – 18:30 ORAL PRESENTATIONS**
Chairs: *Mikael Chetboun | Lille, France; Volkert Huurman | Leiden, The Netherlands*
- 17:30 – 17:40 OP13 INHIBITION OF TISSUE FACTOR EXPRESSION IN ISLETS GRAFT USING A SYNTHETIC SIRNA
Jan Kriz | Prague, Czech Republic



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- 17:40 – 17:50 OP14 NUTRIENT CONTROL OF INSULIN SECRETION IN STEM CELL-DERIVED ISLETS
Chencheng Wang | Oslo, Norway
- 17:50 – 18:00 OP15 OPEN THIN FILM MICROWELL BETA CELL DELIVERY DEVICES FOR TYPE 1 DIABETES
Aart van Apeldoorn | Maastricht, The Netherlands
- 18:00 – 18:10 OP16 PUMP-LESS MICROFLUIDIC DEVICE FOR THE FUNCTIONAL CO-CULTURE OF HUMAN STEM CELL-DERIVED ISLET AND LIVER ORGANIDS
Shadab Abadpour | Oslo, Norway
- 18:10 – 18:20 OP17 THE QUOD PANCREAS TISSUE BANK AND ATLAS: A UNIQUE RESOURCE FOR TRANSPLANT AND DISEASE-ORIENTED RESEARCH
Nicola Dyson | Oxford, United Kingdom
- 18:20 – 18:30 OP18 ASSESSMENT OF PANCREATIC STEATOSIS AND TRANSPLANT SUITABILITY USING IMAGE-BASED MACHINE LEARNING MODELS
Georgios Kourounis | Newcastle, United Kingdom
- 18:30 - 18:40 European Pancreas and Islet Transplant Registry (EPITR) Update**
Diego Cantarovich | Nantes, France
- 18:40 – 18:50 The European Pancreas Transplant Research Consortium (EPTRC)**
Robert Pol | Groningen, The Netherlands



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Day 3 – Tuesday 24 January 2023

09:00 – 11:00 PARALLEL CASE STUDY

Room 2 **ISLET & STEM CELLS**

- Table 1: Stem Cell differentiation: which and how?
Valeria Sordi | Milan, Italy
- Table 2: Islets: Autotransplant
Julie Kerr-Conte | Lille, France
- Table 3: Engraftment
Ekaterine Berishvili | Geneva, Switzerland

Room 1 **PANCREAS**

09:00 - 09:30 Evolution of pancreas transplantation in Brazil
Marcelo Perosa | Sao Paulo, Brazil

09:40 - 11:15 Presentation of clinical cases
Expert Panel Discussion: *Joana Ferrer | Barcelona, Spain; Marcelo Perosa | Sao Paulo, Brazil; Fabio Vistoli | Pisa, Italy; Steve White | Newcastle, United Kingdom*

11:30 - 12:00 **Coffee break**

12:00 - 12:40 **COMMUNICATION IN TRANSPLANTATION: GETTING THE MESSAGE OUT** **Chairs:** *Valeria Sordi | Milan, Italy*

12:00 - 12:25 The role of social media in transplantation
Aimen Amer | Newcastle, United Kingdom
Mehdi Maanaoui | Lille, France

12:25 – 12:40 To pay or not to pay: publication in medical journals
Thierry Berney | Geneva, Switzerland

12:40 – 14:00 **Lunch break** **Industry sponsored satellite symposium (TBC)**

14:00 – 15:00 **CLINICAL INSIGHTS: COVID AND MORE** **Chairs:** *Jon Odorico | Madison, United States; Francois Pattou | Lille, France*

14:00 – 14:30 Targeting inflammation: Covid-19 and islet transplantation
Lorenzo Piemonti | Milan, Italy

14:30 – 15:00 How to treat COVID in transplant patients.
Paolo Grossi | Varese, Italy

15:00 – 16:00 **ORAL PRESENTATIONS** **Chairs:** *Hanne Scholz | Oslo, Norway; Rebecca Spiers | Oxford United Kingdom*



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- 15:00 – 15:10 OP19 ACUTE CELLULAR REJECTION IN PANCREAS BIOPSY SPECIMENS: A TRANSCRIPTOMIC ANALYSIS AND VALIDATION OF THE TISSUE COMMON RESPONSE MODULE (TCRM) SCORE
Audrey Brown | San Francisco, United States
- 15:10 – 15:20 OP20 COMPARISON OF DIFFERENT HYALURONIC ACID-BASED MATRICES TO IMPROVE HUMAN ISLET SURVIVAL IN MACROENCAPSULATION DEVICES
Paul Johnson | Oxford, United Kingdom
- 15:20 – 15:30 OP21 IDENTIFICATION OF BETA CELL DIFFERENTIATION-PRONE IPSC CLONE FOR CELL THERAPY OF DIABETES
Valentina Zamarian | Milan, Italy
- 15:30 – 15:40 OP22 NKX6.1: A NEW QUALITY CONTROL TO PREDICT HUMAN BETA CELL FUNCTION POST TRANSPLANTATION.
Gianni Pasquetti | Mons-en-Baroeul, France
- 15:40 – 15:50 OP23 ENDOTHELIAL GLYCOCALYX SHEDDING IN PATIENTS UNDERGOING PANCREAS TRANSPLANTATION
Andrea Llaves López | Barcelona, Spain
- 15:50 – 16:00 OP24 PANCREATIC ISLET NUMBER AND DECEASED ORGAN DONOR FACTORS AS A TOOL FOR PANCREATIC DONOR ASSESSMENT FOR TRANSPLANTATION
Juan Fernandez Pérez | Murcia, Spain
- 16:00 – 16:30 Coffee break**
- 16:30 – 17:30 SIX OF THE BEST - ORAL PRESENTATIONS**
Chairs: *Joana Ferrer | Barcelona, Spain; Julie Kerr-Conte | Lille, France*
- 16:30 – 16:40 OP25 BIOFABRICATION OF A FUNCTIONAL XENOGENIC VASCULARIZED ENDOCRINE PANCREAS (VEP) FOR TYPE 1 DIABETES
Antonio Citro | Milan, Italy
- 16:40 – 16:50 OP26 OVEREXPRESSION OF HPD-L1 IN NEONATAL PORCINE ISLETS IMPROVES LONG-TERM XENOGRAFT SURVIVAL IN HUMANIZED NSG MICE
Yutian Lei | München, Germany
- 16:50 – 17:00 OP27 ISLET ISOLATION AND TRANSPLANTATION OUTCOMES FROM DONATION AFTER CIRCULATORY ARREST DONORS IN THE UK
Claire Counter | Bristol, United Kingdom
- 17:00 – 17:10 OP28 ISLET TRANSPLANTATION VERSUS INSULIN ALONE IN TYPE 1 DIABETIC KIDNEY TRANSPLANT RECIPIENTS: A FRENCH NATIONWIDE STUDY ON BEHALF OF THE TREPID GROUP
Mehdi Maanaoui | Lille, France



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- 17:10 – 17:20 OP29 PRIMARY GRAFT FUNCTION PREDICTED 5-YEAR OUTCOMES OF ISLET ALLOTRANSPLANTATION: A RETROSPECTIVE COHORT STUDY FROM THE CITR IN 1210 T1D PATIENTS
Mikael Chetboun | Lille, France
- 17:20 – 17:30 OP30 METABOLIC OUTCOMES AFTER PANCREAS TRANSPLANT ALONE FROM DONATION AFTER CIRCULATORY DEATH DONORS-THE UK TRANSPLANT REGISTRY ANALYSIS
Anand Muthusamy | London, United Kingdom
- 17:30 – 18:00 **CLOSING & AWARDS**