



9th EPITA Symposium & 38th AIDPIT Workshop 27-29 January, 2019 Igls_Innsbruck, Austria

Scientific Programme

Sunday 27th January, 2019

- 17:30 – 18:40 **Opening Session**
Chairs: Eelco de Koning, The Netherlands
Steve White, United Kingdom
- 17:30 – 17:40 Welcome and introduction to the 9th EPITA Symposium
Aim and Learning Objectives of the meeting
Eelco de Koning, The Netherlands
- 17:40 – 18:10 **Pfeiffer Lecture:**
(Bio)artificial organs – persisting promise for the future?
Nathanael Raschzok, Germany
- 18:10 – 18:40 Pluripotent stem cells: ready for clinical application in diabetes?
Henrik Semb, Denmark

Monday 28th January, 2019

- 08:10 – 10:30 **Session 1: Pancreas**
Chairs: Johann Pratschke, Germany
Artur Kwiatkowski, Poland
- 08:10 – 08:30 Where have all our pancreases gone?
Helmut Arbogast, Germany
- 08:30 – 08:50 Reducing thrombosis risk
Colin Wilson, UK
- 08:50 – 09:10 Pancreas retrieval (DCD-adults)
Andrzej Baranski, The Netherlands
- 09:10 – 09:30 Pancreas retrieval (paediatric-adults)
Robert Oellinger, Germany



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09:30 – 10:30 Oral Presentations (Pancreas)
*Chairs: Johann Pratschke, Germany
Artur Kwiatkowski, Poland*

*Format: 6 Oral Presentations – 10 minutes each: 8 minutes presentation
and 2 minutes questions*

OP01 IMPROVED KIDNEY FUNCTION FOLLOWING ELECTIVE ENTERIC CONVERSION OF
BLADDER DRAINED PANCREAS TRANSPLANTS

Emily Thompson

OP02 PEDIATRIC DONOR VERSUS ADULT DONOR PANCREAS TRANSPLANTS: GRAFT
SURVIVAL AND PERIOPERATIVE COMPLICATIONS

Silvia Costantini

OP03 PROPENSITY SCORE ANALYSIS COMPARISON OF PORTAL VS SYSTEMIC VENOUS
DRAINAGE IN PANCREAS TRANSPLANTATION ALONE

Fabio Vistoli

OP04 SPINAL CORD ISCHAEMIA IN PANCREAS TRANSPLANTATION: THE UK EXPERIENCE

Benedict Phillips

OP05 EVIDENCE FOR ROUX-EN-Y PANCREATIC DUCT DRAINAGE VS STANDARD
ANASTOMOSIS IN PANCREATIC TRANSPLANTATION

Richard Dumbill

OP06 DETECTION, TREATMENT AND CLINICAL OUTCOME OF GRAFT THROMBOSIS
FOLLOWING PANCREAS TRANSPLANTATION

Wouter Kopp

10:30 – 11:00 *Coffee break*

11:00 – 12:30 Session 2: Islets
*Chairs: Roger Lehmann, Switzerland
John Casey, United Kingdom*

11:00 – 11:20 Glucose Counterregulation in Recipients of Autoislets and Alloislets:
comparing apples and oranges
Michael Rickels, USA

11:20 – 11:40 Anti-HLA antibodies in pancreas and islet transplantation
Frans Claas, The Netherlands

11:40 – 12:30 Oral Presentations (Islets)
*Chairs: Roger Lehmann, Switzerland
John Casey, United Kingdom*

Format: 5 Oral Presentations – 10 minutes each: 8 minutes presentation



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and 2 minutes questions

OP07 DOES CXCL8 INHIBITOR (REPARIXIN) IMPROVE ISLET ENGRAFTMENT AND CLINICAL OUTCOMES AFTER ISLET ALLOTRANSPLANTATION? UNIVERSITY OF CHICAGO
PRELIMINARY RESULTS FROM A PHASE 3 MULTICENTER RANDOMIZED, DOUBLE-BLINDED, PROSPECTIVE STUDY

Justyna Gołębiewska

OP08 ISLETNET: AN ONLINE SERVICE FOR STANDARDIZED ISLET COUNTING

David Habart

OP09 SURGICAL VS RADIOLOGICAL INTRAPORTAL INFUSION OF ALLOGENIC ISLETS FOR TYPE 1 DIABETES

Mikael Chetboun

OP10 CROSS-SECTIONAL ASSESSMENT OF THE ASSOCIATION BETWEEN SELF-REPORTED HYPOGLYCAEMIA EXPOSURE AND GRAFT FUNCTION, HYPOGLYCAEMIA AWARENESS AND SEVERE HYPOGLYCAEMIA EVENTS IN ISLET TRANSPLANT RECIPIENTS

Anneliese Flatt

OP11 SHORT TERM OUTCOME OF ISLET AUTO TRANSPLANTATION AFTER TOTAL PANCREATECTOMY FOR MALIGNANCY

Fabio Vistoli

12:30 – 14:20

Lunch Break & Poster Viewing

14:20 – 16:00

Session 3: Islets

Chairs: Marten Engelse, The Netherlands

Michael Rickels, USA

14:20 – 14:40

Quality control of islets

Julie Kerr-conte, France

14:40 – 15:40

Oral Presentations (Islets)

Format: 6 Oral Presentations – 10 minutes each: 8 minutes presentation and 2 minutes questions

OP12 TACROLIMUS-INDUCED β -CELL DYSFUNCTION IS MEDIATED BY BMP/SMAD ACTIVATION VIA SYNERGISTIC INTERACTION WITH FOXO1

Javier Triñanes

OP13 HIGH-THROUGHPUT PROTEOMICS TO CHARACTERISE DONOR AGE-RELATED CHANGES IN THE EXTRACELLULAR MATRIX OF THE HUMAN PANCREAS

Rebecca Spiers

OP14 HARNESSING THE POWER OF EXTRACELLULAR MATRIX TO IMPROVE BETA-CELL REPLACEMENT THERAPY

Sami Mohammed



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OP15 SHIELDING ISLETS WITH HUMAN AMNIOTIC EPITHELIAL CELLS PROTECTS ISLETS AGAINST HYPOXIA AND ENHANCES ISLET ENGRAFTMENT AND REVASCULARIZATION AFTER TRANSPLANTATION IN A MURIN DIABETIC MODEL

Fanny Lebreton

OP16 HYPOXIC PRE-CONDITIONING REDUCES ISCHEMIA-INDUCED DAMAGE OF ISOLATED RODENT ISLETS

Paul Johnson

OP17 PARATHYROID CD34+ CELLS INDUCE ANGIOGENESIS OF BOTH DONOR AND HOST AS A MECHANISM FOR CHIMERIC VESSEL FORMATION DURING CO-TRANSPLANTATION WITH PANCREATIC ISLETS

Casey Ward

15:40 – 16:10

Coffee break

16:10 – 17:10

Session 4: Oral Presentations

Chairs: Claudia Boesmueller, Austria

Peter Stock, USA

Format: 6 Oral Presentations – 10 minutes each: 8 minutes presentation and 2 minutes questions

OP18 PANCREAS TRANSPLANTATION ALONE VERSUS ISLET TRANSPLANTATION ALONE: A COMPARISON USING THE 2018 IGLS CRITERIA

Caterina Conte

OP19 RISK PREDICTIVE STRATEGY TO OPTIMIZE PANCREAS DONOR SELECTION

Jacobus W. Mensink

OP20 TOO FAT FOR TRANSPLANT? THE IMPACT OF RECIPIENT BMI ON PANCREAS TRANSPLANT OUTCOMES

Ruth Owen

OP21 NEW TRENDS IN PRESERVATION SOLUTIONS: IGL-1 FOR IMPROVEMENT OF CURRENT CLINICAL STANDARDS OF PANCREAS PRESERVATION

Joana Ferrer

OP22 LONG-TERM NEOPLASTIC COMPLICATIONS POST-ISLET TRANSPLANTATION (IT) WITH THE EDMONTON PROTOCOLE

Marie-Christine Vantyghem

OP23 POTENTIAL AVOIDANCE OF DONOR-SPECIFIC ANTIBODY SENSITISATION IN ISLET TRANSPLANT RECIPIENTS THROUGH IS WITHDRAWAL ONLY WHEN C-PEPTIDE NEGATIVE

Maria de los Angeles Maillo-Nieto

17:10 – 18:30

Session 5: PRO / CON Debate

Format: British Parliament Style Debate

A highly Interactive pro-con debate format, including active participation of the audience through the event App voting system



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Motion: Patients with type 1 diabetes and a previous kidney transplantation should be offered a pancreas-after-kidney or islet-after-kidney transplantation

*Chairs: Claudia Boesmueller, Austria
Peter Stock, USA*

*PRO: Thierry Berney, Switzerland
CON: Michael Fischereeder, Germany*

Tuesday 29th January, 2019

09:00 – 11:00 Session 6: Young Investigator Workshops Parallel Sessions

Participants are asked to choose between the Islet Workshop and the Pancreas Workshop upon registration.

In the Pancreas Workshop, chaired by Gunnar Tufveson (Sweden), a jury will discuss select pancreas transplantation cases and foster discussion with the workshop participants. In the Islets Workshop, participants will be split into smaller discussion groups (tables). Each group will rotate from table to table and will thus have the opportunity to discuss all topics. At the end of the morning a wrap up session for the two groups will take place in the Plenary Room.

09:00 – 11:00 Pancreas transplantation – most interesting cases Case presentation and discussion *Chair: Gunnar Tufveson, Sweden*

JURY:
*Helmut Arbogast, Germany
Steve White, United Kingdom
Johann Pratschke, Germany
Diego Cantarovich, France*

CASE 1 PANCREAS AFTER KIDNEY TRANSPLANTATION FROM PEDIATRIC, 17 MONTHS AND 9 KG, DONOR
Fabio Vistoli

CASE 2 INTERVENTIONAL RADIOLOGY IN VASCULAR COMPLICATIONS AFTER SIMULTANEOUS PANCREAS AND KIDNEY TRANSPLANTATION- A SERIES OF CASES
Agnieszka Surowiecka-Pastewka

CASE 3 RARE CASE OF BLEEDING FROM URETERIC ARTERY FOLLOWING SPK

09:00 – 11:00 Islets



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Chair: Eelco de Koning, Netherlands

Topics of discussion:

- Upgrading human islet isolation to GMP regulations
- Using human islets for research, culturing human islets
- Pseudo-islets

TABLE 1: *Michael Wszola, Poland*

TABLE 2: *Hanne Scholtz, Norway*

TABLE 3: *Marten Engelse, Netherlands*

TABLE 4: *Julie Kerr-conte, France*

11:00 – 11:20 *Coffee break*

11:20 – 12:20 Young Investigator Workshop wrap up session

12:20 – 13:30 *Lunch break & Poster Viewing*

13:30 – 14:40 Technology Session
Technology and Treatment
Chairs: Michael Rickels, USA
Eelco de Koning, Netherlands

13:30 – 13:50 Oral and nasal insulin
Name to be confirmed

13:50 – 14:20 Will flash glucose monitoring replace continuous glucose monitoring?
Roger Lehmann, Switzerland

14:20 – 14:40 Q&A
Chair and Speakers

14:40 – 15:30 Session 7: Oral Presentations (Basic Science)
Chairs: Barbara Ludwig, Germany
Ekaterine Berishvili, Switzerland

Format: 5 Oral Presentations – 10 minutes each: 8 minutes presentation and 2 minutes questions



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OP24 AUTOMATED BUILDING OF OPTIMAL DENSITY GRADIENTS FOR ISLET ISOLATION

Jason Doppenberg

OP25 OPTIMIZATION OF A MACROPOROUS MICROWELL-ARRAY DELIVERY DEVICE FOR ISLET TRANSPLANTATION

Rick de Vries

OP26 FACTOR X: A NEW QUALITY CONTROL TO PREDICT HUMAN BETA CELL FUNCTION POST TRANSPLANTATION IN MICE AND MEN.

Gianni Pasquetti

OP27 THE TIMING IS CRUCIAL FOR ADEQUATE BLOOD PERFUSION OF AN ARTIFICIAL SUBCUTANEOUS SITE FOR ISLET TRANSPLANTATION

Alzbeta Patikova

OP28 SCOT15 VERSUS HTK PRESERVATION SOLUTION : IMPACT ON MARGINAL HUMAN PANCREASES DURING COLD ISCHEMIA TIME

Florent Lemaire

15:30 – 16:00

Coffee break

16:00 – 18:00

Session 8: Presidential Session

Chairs: Eelco de Koning, Netherlands

Steve White, United Kingdom

16:00 – 16:30

Improving organ quality before transplantation

Rutger Ploeg, UK

16:30 – 16:45

Q&A

16:45 – 17:15

Biomaterials and scaffolds

Aart van Apeldoorn, Netherlands

17:15 – 17:30

Q&A

17:30 – 17:45

Awards ceremony

17:45 – 18:00

Concluding remarks