



8th EPITA Symposium & 37th AIDPIT Workshop 21-23 January, 2018 Igls_Innsbruck, Austria

Scientific Programme

Sunday 21st January, 2018

- 17:30 – 19:10** **Opening Session**
Chairs: Eelco de Koning, The Netherlands
Steve White, United Kingdom
- 17:30 – 17:40 Welcome and introduction to the 8th EPITA Symposium
Aim and Learning Objectives of the meeting
Eelco de Koning, The Netherlands
- 17:40 – 18:10 **Pfeiffer lecture:**
New developments in glucose sensors
Lutz Heinemann, Germany
- 18:10 – 18:40 Mixed and virtual reality in medicine
Johann Pratschke, Germany
- 18:40 – 19:10 Gene Therapy for Type 1 diabetes
Hans W. Sollinger, USA

Monday 22nd January, 2018

- 08:30 – 10:30** **Session 1: Pancreas**
Chairs: Robert Langer, Austria
Helmut Arbogast, Germany
- 08:30 – 08:50 Assessing patients for pancreas transplant
Christopher Snowden, United Kingdom
- 08:50 – 09:10 Pancreas transplantation in C-peptide positive patients
Claudia Boesmuller, Austria
- 09:10 – 09:30 Biopsies in pancreas transplantation
Pablo Uva, Argentina



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09:30 – 10:30

Oral Presentations (Clinical Pancreas)

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

OP01 OUTCOMES OF PANCREAS TRANSPLANTATION WITH A SINGLE FUNCTIONAL ARTERY

Colin Wilson, United Kingdom

OP02

OP03 INTRAPERITONEAL PANCREAS TRANSPLANTATION WITH PORTAL DRAINAGE OR EXTRAPERITONEAL SYSTEMIC, DOES IT CHANGE A LONG TERM OUTCOME?

Matej Kocik, Czech Republic

OP04

OP05 SOLITARY PANCREATIC TRANSPLANTATION AS A TREATMENT FOR DIABETES TYPE 1 AND TYPE 3

Marek Durlík, Poland

OP06 DUODENODUODENAL ANASTOMOSIS IN PANCREAS TRANSPLANTATION

Katarzyna Baumgart-Gryn, Poland

10:30 – 11:00

Coffee break

11:00 – 12:30

Session 2: Islets

Chairs: Barbara Ludwig, Germany

Paul Johnson, United Kingdom

11:00 – 11:20

Tailoring islet isolation to the donor pancreas

Julie Kerr-Conte, France

11:20 – 11:40

Shipping islets - Challenges in running an islet transplantation network

Torbjorn Lundgren, Sweden

11:40 – 12:30

Oral Presentations (Basic pancreas & islets)

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



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OP07 [WITHDRAWN]

OP08 THE METHODS OF PANCREAS PRESERVATION BEFORE ISOLATION OF ISLETS FOR TRANSPLANTATION

Dzmitry Fedaruk, Belarus

OP09 ETANERCEPT REDUCES HYPOXIA-INDUCED DAMAGE OF HUMAN ISLETS

Daniel Brandhorst, United Kingdom

OP10 QUALITY CONTROL OF ISLETS PRIOR TO TRANSPLANTATION USING MICRO-ELECTRODE ARRAYS COUPLED TO AUTOMATED REAL-TIME SIGNAL RECOGNITION AND DATA TREATMENT

Jochen Lang, France

OP11 PANCREAS DECELLULARIZATION PROCESS – COMPARISON OF METHODS

Andrzej Berman, Poland

12:45 – 14:00

DOMPE Lunch Symposium

Chair: Lorenzo Piemonti, Italy

12:45 – 12:50

Welcome and Introduction

12:50 – 13:30

Keynote Lecture: Beyond Hemoglobin A1c
Tadej Battelino, Slovenia

13:30 – 13:50

Open Q&A Session and discussion

13:50 – 14:00

Concluding remarks

14:00 – 14:20

Break

14:20 – 16:00

Session 3: Islets

Chairs: James Shaw, United Kingdom
Artur Kwiatkowski, Poland

14:20 – 14:40

Automation of islets isolation and quality control assessment
Marten Engelse, Netherlands

14:40 – 15:40

Oral Presentations (Clinical islets)



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

OP12 ASSESSMENT OF SIMPLE INDICES BASED ON A SINGLE FASTING BLOOD SAMPLE IN SEARCH FOR AN OPTIMAL TOOL TO ESTIMATE BETA CELL FUNCTION AFTER TOTAL PANCREATECTOMY WITH ISLET AUTOTRANSPLANTATION

Justyna Gołębiewska, Poland

OP13 FASTING PROINSULIN SECRETION AS A MARKER FOR β -CELL SECRETORY CAPACITY IN PATIENTS WITH PANCREAS OR ISLET TRANSPLANTATION

Bastiaan Uitbeijerse, Netherlands

OP14 TNF-ALPHA BLOCKADE DURING ISLET TRANSPLANTATION IN IMMUNOSUPPRESSED RECIPIENTS

Merel Ruissen, Netherlands

OP15 AUTOLOGOUS ISLET TRANSPLANTATION AND PANCREAS RESECTION FOR COMPLEX PANCREATIC TRAUMA: IS THERE A ROLE FOR REMOTE PROCESSING?

Jennifer Logue, United Kingdom

OP16 PANCREAS DONATION AFTER PHYSICIAN ASSISTED SUICIDE – A SOURCE FOR ISLET TRANSPLANTATION

Anja Steffen, Netherlands

OP17 BETA-2 SCORE FOR EARLY DETECTION OF ISLET ALLOGRAFT DECLINE AND MONITORING OF ISLET FUNCTION

Justyna Golebiewska, Poland

15:40 – 16:10

Coffee break

16:10 – 17:10

**Session 4: Pro/Con Debate on
SPK transplantation has no survival benefit over living donor kidney
transplantation alone**

*Chairs: Thierry Berney, Switzerland
Jon Odorico, USA*

PRO



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Christopher Watson, United Kingdom

CON

Christian Morath, Germany

17:10 – 17:20 Concluding Remarks

Tuesday 23rd January, 2018

09:00 – 12:25 Session 5: Young Investigator Workshops

09:00 – 11:20 *Pancreas discussion tables topics*

Title: My worst case

Chair: Gunnar Tufveson, Sweden

TABLE 1: *Helmut Arbogast, Germany*

TABLE 2: *Steve White, United Kingdom*

TABLE 3: *Robert Langer, Austria*

TABLE 4: *Johann Pratschke, Germany*

TABLE 5: *Diego Cantarovich, France*

Break from 10:00 to 10:20

09:00 – 11:20 *Islets discussion tables topics*

Title: Troubleshooting in islet isolation

Chair: Eelco de Koning, Netherlands

TABLE 1: *Julie Kerr-Conte, France*

TABLE 2: *Marten Engelse, Netherlands*

TABLE 3: *Hanne Scholz, Norway*

TABLE 4: *Sarah Cross, United Kingdom*

Break from 10:00 to 10:20

11:20 – 12:20 **Young Investigator Workshop plenary**
Wrap-up from each table and take home messages

12:20 – 13:30 Lunch break

13:30 – 14:40 Technology Session



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Chair: Roger Lehmann, Switzerland

13:30 – 13:50 Anti-hyperglycemic therapy after islet transplantation
Melena Bellin, United States

13:50 – 14:20 Insulin delivery in the artificial pancreas
Eric Renard, France

14:20 – 14:40 Q&A
Chair and Speakers

14:40 – 15:30 Session 6: Oral Presentations (Basic pancreas & islets)

Chair: Michael Wszola, Poland

François Pattou, France

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

OP18 ISLET HETEROSPHEROIDS GENERATED FROM ISLET CELLS AND
AMNIOTIC EPITHELIAL CELLS REVERSE DIABETES AFTER MARGINAL MASS
TRANSPLANTATION IN A MURINE MODEL

Ekaterine Berishvili, Switzerland

OP19 GPR44 INHIBITION ENHANCES FUNCTION AND SURVIVAL OF
ISOLATED HUMAN ISLETS AFTER TRANSPLANTATION

Shadab Abadpour, Norway

OP20 FURTHER AUTOMATION OF HUMAN ISLET ISOLATIONS USING THE
PRISM MACHINE

Jason Doppenberg, Netherlands

OP21 MESENCHYMAL STEM CELLS PROTECT ISLETS FUNCTIONALITY
AGAINST CYTOKINE STRESS THROUGH AN INCREASE OF ANTI-OXIDANT
DEFENSES

Emily Tubbs, France

OP22 A MACROPOROUS DELIVERY DEVICE FOR TRANSPLANTATION OF
PANCREATIC ISLETS

Rick de Vries, Netherlands

15:30 – 16:00 *Coffee break*

16:00 – 18:00 **Session 7: Presidential Session**



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| 16:00 – 16:30 | Expanding the indications for islet autotransplantation
<i>Melena Bellin, United States</i> |
| 16:30 – 16:45 | Q&A |
| 16:45 – 17:15 | Immunosuppressive-free beta-cell transplantation
<i>Barbara Ludwig, Germany</i> |
| 17:15 – 17:30 | Q&A |
| 17:30 – 17:45 | Awards ceremony |
| 17:45 – 18:00 | Concluding remarks |