Tuesday 20th June

10.00 - 17.15

Pre-Congress Symposium 1

*The challenges of ischaemia and hypoxia in whole pancreas and isolated islet transplantation*

Chairs: Rutger Ploeg & Klearchos Papas

- ‘Understanding hypoxia and hypoxia pathways’  
  Chris Pugh
- ‘Challenges and strategies for reducing hypoxia during pancreas retrieval’  
  Rutger Ploeg
- ‘Challenges and strategies for reducing hypoxia during pancreas transport’  
  Klearchos Papas
- ‘Challenges and strategies for mitigating ischaemia-reperfusion injury following whole pancreas transplantation’  
  Gabi Oniscu
- ‘Challenges and strategies for minimising hypoxic damage during islet isolation’  
  Julie Kerr-Conte
- ‘Challenges and strategies for minimising hypoxic damage during islet culture’  
  Daniel Brandhorst
- ‘Challenges and strategies for mitigating hypoxic damage following islet implantation’  
  P O Carlsson
- ‘Challenges and strategies for reducing hypoxia within macro-encapsulation devices’  
  Barbara Ludwig

14.00 – 17.15

Pre-Congress Symposium 2

Young Investigators / Trainees Symposium:
‘Lessons learnt during my career – How to find diamonds’

Organised by the IPITA Young Investigator Committee

The symposium will take an interactive, discussion group based format, with mentors sharing their knowledge and expertise on specific topics relevant to trainees. There will be sufficient time for in depth discussion in an informal, relaxed environment with adequate opportunity to ask questions and for networking

- ‘Career planning’  
  Sue Fuggle & Garth Warnock
- ‘How to engage your audience’  
  James Shapiro
- ‘Work/life balance’  
  Peter Stock
- ‘Securing funding’  
  David Matthews
- ‘Successful collaborations’  
  Garry Duffy
- ‘Meet the editor’  
  Thierry Berney

14.00 – 17.15

Pre-Congress Symposium 3

‘Allied Health Professionals’

Mathematical Institute C5
**Wednesday 21st June**

08.15 L1 **Official Welcome and Opening of Congress**

08.30 - 10.00 L1 **Opening Joint Plenary Session**
*Chairs: Jon Odorico & Thierry Berney*

*‘Global Update of Recent Activity and Outcomes of Beta-cell Replacement’*

*‘The Americas’*  
*Jim Markmann*

*‘Europe’*  
*John Casey*

*‘Australasia and Asia’*  
*Tom Kay*

Followed by Round Table Discussion

10.05 - 10.30 L1 **Richard Lillehei Lecture**  
*Raimund Margreiter*

*Introduced by: Thierry Berney*

10.30 - 11.00  
**Coffee Break/Exhibits/Poster viewing**

11.00 - 12.30  
**Parallel Oral Presentations 1 – 4**

L1 **Session 1:** Pancreas Transplantation – Outcomes and Complications 1  
*Chairs: Chris Callaghan and Raphael Meier*

L2 **Session 2:** Clinical Islet Allotransplantation 1  
*Chairs: Martin Rutter and TBC*

L3 **Session 3:** Alternative Islet Sources  
*Chairs: Wayne Hawthorne and Riccardo Calafiore*

L4 **Session 4:** Islet Biology  
*Chairs: Patrik Rorsman and Leticia Labriola*

12.30 - 13.30  
**Lunch**

12.45 – 13.30 L6 **AHP Q&A Session**

13.30 - 14.40 L1 **Young Investigator Oral Prize Session**

14.45 - 16.00  
**Parallel Oral Presentations 5 – 8**

L1 **Session 5:** Pancreas Transplantation – Surgical Aspects  
*Chairs: James Gilbert and Raja Kandaswamy*

L2 **Session 6:** Islet Isolation, Culture, and Reconditioning 1  
*Chairs: Sarah Cross and Marten Engelse*
Session 7:  Pancreas and Islet Graft Monitoring 1  
*Chairs: Pratik Choudhary and Frantisek Saudek*

Session 8:  Immunobiology and Immunosuppression 1  
*Chairs: Sue Fuggle and Ken Brayman*

**16.00 - 16.30**  
Tea Break/Exhibits/Poster viewing

**16.30 - 18.00**  
Parallel Plenary Sessions 1 & 2

**L1** 1: *Immunosuppression and Immunomodulation in Beta-Cell Replacement*  
*Chairs: Steve Bartlett & Phil O'Connell*

- 'Alemtuzumab in beta-cell replacement'  
  *Peter Friend*
- 'Novel strategies for immunosuppression'  
  *Peter Stock*
- 'Peptide-based immunomodulation'  
  *Mark Peakman*
- 'Latest advances in tolerance induction'  
  *TBC*

**L2** 2: *Islet Auto-transplantation as a Therapy for Surgical Diabetes*  
*Chairs: Ashley Dennison & David Sutherland*

- 'Islet auto-transplantation in children'  
  *Melena Bellin*
- 'Lessons learnt from islet isolation for islet autotransplantation'  
  *A.N. Balamurugan*
- 'Islet auto-transplantation for non-pancreatitis indications'  
  *Lorenzo Piemonti*
- "How difficult is post-pancreatectomy diabetes to manage really"?  
  *Alistair Lumb*

**19.00 - 21.00**  
Congress Welcome Reception  
Natural History Museum

---

**Thursday 22nd June**

**08.30 - 10.00**  
Parallel Plenary Sessions 3 & 4

**L1** 3: *Pancreas Transplantation - How I do it*  
*Chairs: Jonathan Fridell & Derek Manas*

- 'Donor selection'  
  *Dixon Kaufman*
- 'Management of reperfusion pancreatitis'  
  *Titus Augustine*
- 'Pancreas biopsies'  
  *Pablo Uva*
Surgical pearls  

Steve Bartlett

4: ‘Islet and Beta-Cell Biology’
Chairs: Shane Grey & Hanne Scholz

‘Regulation of glucagon secretion in human pancreatic islets: intrinsic, paracrine or both?’
Patrik Rorsman

‘Beta-cell hubs and islet response to glucose’
Guy Rutter

‘Islet cell-to-cell interactions in the native pancreas and following transplantation’
Domenico Bosco

‘Extracellular matrix in beta-cell health and disease’
Charmaine Simeonovic

10.05 - 10.30
L1  IPITA Presidential Address  
Jon Odorico

10.30 - 10.45
L1  Award of the Derek Gray Travelling Fellowship & IPITA/TTS Travel Awards  
Jon Odorico

10.45 - 11.15
Coffee Break/Exhibits/Poster viewing

11.15 - 12.45
Parallel Oral Presentations 9 – 12

L1  Session 9: Experimental Islet Transplantation  
Chairs: Severine Sigrist and Steve Hughes

L2  Session 10: Pancreas Donation, Procurement, and Preservation 1  
Chairs: Matthew Cooper and Rutger Ploeg

L3  Session 11: Clinical Islet Autotransplantation  
Chairs: Steve White and Piotr Witkowski

L4  Session 12: Islet Encapsulation and Bioengineered Scaffolds  
Chairs: Garry Duffy and Paul de Vos

12.45 - 13.45
Lunch

13.00 - 13.45
L3  IPITA Business Meeting

13.45 - 15.15
Parallel Plenary Sessions 5 & 6

L1  5: ‘Hypoglycaemia and Recent Advances in Diabetes Technologies’
Chairs: Jim Shaw & Mike Rickels

‘Definition and Assessment of severe hypoglycaemia and hypoglycaemia unawareness’
Peter Senior

‘Optimal management pathway for problematic hypoglycaemia’
Pratik Choudhary

‘Update on new insulin regimens, pump technology and continuous glucose monitoring’
Eelco de Koning

‘The artificial pancreas – progress towards the clinic?’
Roman Hovorka
6: ‘Novel Technologies with Potential Applications for Beta-Cell Replacement’
Chairs: Bernhard Hering & Cherie Stabler
‘Omics for understanding mechanisms and predicting outcomes’  
Benedikt Kessler
‘3D Printing’  
Will Shu
‘Human-Animal Chimeric donors’  
TBC
‘Gene profiling - personalised management of rejection’  
Alex Loupy

15.15 - 15.45
Tea Break/Exhibits/Poster viewing

15.45 - 17.00
Parallel Oral Presentations 13 – 16

L1 Session 13:  
Pancreas Transplantation – Outcomes and Complications 2
Chairs: Sanjay Sinha and Helmut Arbogast

L2 Session 14:  
Islet Isolation, Culture, and Reconditioning 2
Chairs: Greg Szot and Elisa Maillard-Pedracini

L3 Session 15:  
Clinical Islet Allografttransplantation 2
Chairs: Federico Bertuzzi and Jose Oberholzer

L4 Session 16:  
Islet Engraftment and Extra-hepatic Islet Implantation Sites
Chairs: Ekaterine Berishvili and Christian Schuetz

17.05 - 18.00
Grand Masters: Lessons Learned – Sir Peter Morris and Sir Roy Calne
Chairs: Peter Friend & Antonio Secchi

19.00 - 22.00
Young Investigator / Trainees Networking River Event
or AHP Dinner
or Free Evening for Delegates

Friday 23rd June

08.30 – 09.30
Parallel Oral Presentations 17 – 20

L1 Session 17:  
Pancreas Transplantation – Outcomes and Complications 3
Chairs: Chris Watson and Robert Redfield III

L2 Session 18:  
Pancreas Donation, Procurement, and Preservation 2
Chairs: Martin Drage and Bill Scott

L3 Session 19:  
Pancreas and Islet Graft Monitoring 2
Chairs: Marie-Christine Vantyghem and Shruti Mittal

L4 Session 20:  
Immunobiology and Immunosuppression 2
Chairs: Ed Sharples and Nathan Zammit
09.35 - 10.00  L1  Paul Lacy Memorial Lecture
*Introduced by: Paul Johnson*

10.00 - 10.30  Coffee Break/Exhibits/Poster viewing

10.30 - 12.00  Parallel Plenary Sessions 7 and 8

L1  7: ‘Monitoring Graft Function following Beta-Cell Replacement and Defining Success’
*Chairs: Dixon Kaufman & Francois Pattou*

- ‘Recent developments in ‘in vivo’ islet imaging’  Martin Gotthardt
- ‘Metabolic monitoring following beta-cell replacement’  Jim Shaw
- ‘Towards a uniform definition of outcome and success after whole pancreas and islet transplantation – the Igls Classification’  Raja Kandaswamy & Mike Rickels

L2  8: ‘Bioartificial Scaffolds and Cellular Encapsulation as Bioengineering Strategies for Islet/Beta-Cell Replacement’
*Chairs: Camillo Ricordi & Barbara Ludwig*

- ‘Current trials in Bio-artificial Pancreas – an update’  Olle Korsgren
- ‘Cell encapsulation technologies - a multidimensional challenge’  Cherie Stabler
- ‘Engineering Immuno-protective Microencapsulation Strategies’  Mark Poznansky
- ‘Bioengineered whole pancreas’  Giuseppe Orlando

12.05 - 13.00  L1  ‘The Sky’s the Limit’ – A ‘Dragons Den’ for ‘Out of the Box Thinking’

13.00 - 14.00  Lunch

13.00 - 14.00  Industry Sponsored Lunchtime Symposiums:

L4  1. ‘Collagenase’  *TBC*

L5  2. ‘First Update of IXA Consensus Statement’  Sponsored by Otsuka
*Chair: Jose Oberholzer*

- ‘Clinical encapsulated islet xenotransplantation and topics from the first update of IXA consensus statement’  Shinichi Matsumoto
14.00 - 15.30  Parallel Plenary Sessions 9 and 10

L1  9: ‘Stem Cell-Derived Islets for Transplantation’
Chairs: Julie Kerr-Conte & TBC

‘Recent advances in our understanding of normal pancreas development’  Neil Hanley

'Differentiation of pluripotent stem cells to islets'  Cristina Nostro

'Immune strategies for stem-cell derived islets'  Ashleigh Boyd

'Translating stem-cell islet sources to the bedside'  Jon Odorico

L2  10: ‘Xeno-Islets for Transplantation’
Chairs: David Cooper & TBC

‘Cell sources for islet xenotransplantation’  Greg Korbutt

'The immunobiology of xenotransplantation'  Phil O’Connell

'Advances in immunosuppression for xenotransplantation'  Chung-Gyu Park

'What are the remaining obstacles before xenotransplantation reaches the clinic'  Bernhard Hering

15.35 - 17.15  L1  Closing Joint Plenary Session

‘Where will beta-cell replacement be in 10 years time?’
Chairs: Lorenzo Piemonte & Tom Kay

‘Which tissue will we be transplanting?’  Thierry Berney

‘Where will we be transplanting the tissue?’  Camillo Ricordi

‘Which immunosuppressive-free strategy will we be using?’  James Shapiro

‘Which recipients will ultimately benefit from our treatment?’  Paul Johnson

L1  Close of Congress (including presentation from LOC of IPITA 2019)

19.15 - 19.45  Pre-Dinner Drinks Reception at Balliol College, University of Oxford

20.00 - 23.00  Congress Dinner at Balliol College, University of Oxford
Saturday 24th June

10.00 - 14.00  IPITA Young Investigator Committee & DRWF Public Engagement Event
OCDEM, University of Oxford, Churchill Hospital
By invitation only