Programme Overview for IPITA 2017, Oxford, UK

Tuesday 20th June

10.00 - 17.00  Pre-Congress Symposium 1  St Anne’s College

Chairs: Rutger Ploeg & Klearchos Papas

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

'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'  Daniel Brandhorst

'Challenges and strategies for minimising hypoxic damage during islet culture'  Julie Kerr-Conte

'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 – 17.00  Pre-Congress Symposium 2  Mathematical Institute

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

The IPITA Young Investigator Committee (YIC) are excited to announce that as part of IPITA 2017 we will be hosting a pre-congress symposium focused specifically for trainee and junior investigators.

The symposium will take an interactive, discussion group based format, with mentors sharing their knowledge and expertise on specific topics relevant to trainees such as career planning, securing funding, work/life balance, successful collaborations, how to engage your audience and getting your paper published.

Confirmed mentors for the symposium include Prof Garth Warnock, Prof James Shapiro, Prof Peter Stock, Prof David Matthews, Prof Sue Fuggle and Prof Garry Duffy.
The symposium format will allow sufficient time for in depth discussion in an informal, relaxed environment with adequate opportunity to ask questions and for networking. The IPITA YIC hopes all junior investigators will be able to actively participate in this valuable educational activity and look forward to seeing you all in Oxford!

14.00 – 17.00
Pre-Congress Symposium 3
Allied Health Professionals’
Mathematical Institute

17.30 - 19.00
Informal Drinks
Mathematical Institute

Wednesday 21st June

08.15
Official Welcome and Opening of Congress

08.30 - 10.00
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

10.00 - 10.30
Richard Lillehei Lecture ‘Raimund Margreiter’

10.30 - 11.00
Coffee Break

11.00 - 12.30
Parallel Oral Presentations 1 – 4
Session 1: Pancreas Transplantation – Outcomes and Complications 1
Session 2: Clinical Islet Allotransplantation 1
Session 3: Alternative Islet Sources
Session 4: Islet Biology
12.30 - 13.30  Lunch

13.30 - 14.30  Young Investigator / Trainee Prize Session

14.35 - 16.00  Parallel Oral Presentations 5 – 8
   Session 5: Pancreas Transplantation – Surgical Aspects
   Session 6: Islet Isolation, Culture, and Reconditioning 1
   Session 7: Pancreas and Islet Graft Monitoring 1
   Session 8: Immunobiology and Immunosuppression 1

16.00 - 16.30  Tea Break

16.30 - 18.00  Parallel Plenary Sessions 1 & 2

   ‘Immunosuppression and Immunomodulation in Beta-Cell Replacement’
   Chairs: Steve Barlett & Phil O’Connell
   ‘Aelectuzumab in beta-cell replacement’  Peter Friend
   ‘Novel strategies for immunosuppression’  Peter Stock
   ‘Peptide-based immunomodulation’  Mark Peakman
   ‘Latest advances in tolerance induction’  Ed Geissler

   ‘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

‘Pancreas Transplantation – How I do it’
*Chairs: Jonathan Fridell & Chris Watson*

‘Donor selection’  
*Dixon Kauffman*

‘Management of reperfusion pancreatitis’  
*Titus Augustine*

‘Pancreas biopsies’  
*Pablo Uva*

‘Surgical pearls’  
*Steve Bartlett*

‘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*

‘Cellular interactions between islet cells and the surrounding pancreatic matrix’  
*TBC*

10.00 - 10.30  Presidential Address:  
*Jon Odorico*

10.30 - 10.45  Award of the Derek Gray Travelling Fellowship  
*Jon Odorico*

10.45 - 11.15  Coffee Break

11.15 - 12.45  Parallel Oral Presentations 9 – 12

Session 9: Experimental Islet Transplantation

Session 10: Pancreas Donation, Procurement, and Preservation 1

Session 11: Clinical Islet Autotransplantation

Session 12: Islet Encapsulation and Bioengineered Scaffolds

12.45 - 13.45  Lunch

13.00 - 13.45  IPITA Business Meeting
13.45 - 15.15  Parallel Plenary Sessions 5 & 6

‘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 Konig

‘The artificial pancreas – progress towards the clinic?’  Roman Hovorka

‘Novel Technologies with Potential Applications for Beta-Cell Replacement’
Chairs: Bernhard Hering & Cherie Stabler

‘Gene editing – potential applications for beta-cell replacement’  TBC

‘3D Printing’  Will Shu

‘Human-Animal Chimeric donors’  TBC

‘Gene profiling - personalised management of rejection’  Alex Loupy

15.15 - 15.45  Tea Break

15.45 - 17.00  Parallel Oral Presentations 13 – 16

Session 13: Pancreas Transplantation – Outcomes and Complications 2

Session 14: Islet Isolation, Culture, and Reconditioning 2

Session 15: Clinical Islet Allotransplantation 2

Session 16: Islet Engraftment and Extra-hepatic Islet Implantation Sites

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

19.00 - 23.00  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
Session 17: Pancreas Transplantation – Outcomes and Complications 3
Session 18: Pancreas Donation, Procurement, and Preservation 2
Session 19: Pancreas and Islet Graft Monitoring 2
Session 20: Immunobiology and Immunosuppression 2

09.30 - 10.00
Paul Lacy Memorial Lecture:  
Chair: Paul Johnson  
Professor Garth Warnock

10.00 - 10.30
Coffee Break

10.30 - 12.00
Parallel Plenary Sessions 7 and 8
'Monitoring Graft Function following Beta-Cell Replacement and Defining Success'
Chair: 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 Igl5 Classification’  
Raja Kandaswamy & Mike Rickels

'Bioartificial Scaffolds and Cellular Encapsulation as Bioengineering Strategies for Islet/Beta-Cell Replacement'
Chair: Camillo Ricordi & Barbara Ludwig
‘Cell encapsulation technologies - a multidimensional challenge’  
Cherie Stabler
‘Current trials in Bio-artificial Pancreas – an update’  
Olle Korsgren
‘Engineering Immuno-protective Microencapsulation Strategies’  
Mark Poznansky
‘Bioengineered whole pancreas’  
Giuseppe Orlando

12.05 - 13.00
'The Sky’s the Limit – A ‘Dragons Den’ for ‘Out of the Box Thinking’
13.00-14.00  Lunch

Industry Sponsored Lunchtime Sessions:

1. ‘First Update of IXA Consensus Statement’ Sponsored by Otsuka
   Chair: Jose Oberholzer
   ‘Regulatory Aspects’ Emanuele Cozzi
   ‘Pre-clinical and Clinical Aspects’ Shinichi Matsumoto

2. Collagenase TBC

14.00-15.30  Parallel Plenary Sessions 9 and 10

‘Stem Cell-Derived Islets for Transplantation’
Chairs: Julie Kerr-Conte & Kevin Doherty

‘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

‘Xeno-Islets for Transplantation’
Chairs: Olle Korsgren & David Cooper

‘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 – 17.00  

**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

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

19.00 - 19.30  

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

19.30 - 23.00  

Congress Dinner at Balliol College, University of Oxford