

Day 1: 19 June 2022 | Sunday

14:00 – 14:15 **Opening:
Official Welcome to the NICE EPITA**

Hanne Scholz | Oslo, Norway
Steve White | Newcastle, United Kingdom
Julie Kerr-Conte | Lille, France

14:15 – 16:00 **Mastering islet isolation to transplant and standard care**

Chair: Fabio Vistoli | Pisa, Italy

14:15 – 14:45	Deceased Donor selection, procurement and management for islet isolation	Steve White Newcastle, United Kingdom
14:45 – 15:15	Tailoring enzymes for pancreas digestion	Paul Johnson Oxford, United Kingdom
15:15 – 15:30	Quality assessment of human islets -what should be the current standard?	Julie Kerr-Conte Lille, France
15:30 – 15:45	Quality assessment of stem cell derived beta cells	Valeria Sordi Milan, Italy
15:45 – 16:00	From research to standard of care	Francois Pattou Lille, France

16:00 – 16:30 COFFEE BREAK

16:30 – 18:00 **Modernizing isolation
Update on replacing the COBE in Europe**

Chair: Julie Kerr-Conte | Lille, France

16:30 – 16:45	Islet purification with COBE processing is there a future in Europe?	Olle Korsgren Uppsala, Sweden
16:45 – 17:15	Introduction to the novel human islet isolation device PRISM	Marten Engelse and Jason B Doppenberg Leiden, The Netherlands
17:15 – 18:00	Discussion panel: Keeping the COBE alive and moving to other devices	

18:00 – 19:30 **Networking Cocktail
including: *Virtual GMP facility tour & Islet Isolation Procedure (18:30 – 19:00) – presented by Hanne Scholz***

Day 2: 20 June 2022 | Monday

08:30 – 09:00 Introduction to PRISM and counting

Chair: Eelco de Koning | Leiden, The Netherlands

08:30 – 08:45 Introduction

Eelco de Koning | Leiden,
The Netherlands

08:45 – 09:00 *Group Division & day explanation*

09:00 – 11:00 PRISM and counting Group 1: PRISM demonstration Group 2: Counting

09:00 – 11:00 Demonstration of the PRISM machine at the operating theatre [Institute for Surgical Research]

Marten Engelse and Jason
B Doppenberg | Leiden,
The Netherlands

09:00 – 11:00 Practical training using the IsletNet & IsletSwipe for standardized counting; open discussion on future of IsletNet & IsletSwipe

David Habart | Prague,
Czech Republic and
Valery Gmyr | Lille, France

11:00 – 12:00 LUNCH BREAK

12:00 – 14:00 PRISM and counting Group 1: Counting Group 2: PRISM demonstration

12:00 – 14:00 Demonstration of the PRISM machine at the operating theatre [Institute for Surgical Research]

Marten Engelse and Jason
B Doppenberg | Leiden,
The Netherlands

12:00 – 14:00 Practical training using the IsletNet & IsletSwipe for standardized counting; open discussion on future of IsletNet & IsletSwipe

David Habart | Prague,
Czech Republic and
Valery Gmyr | Lille, France

14:00 – 14:15 BREAK

14:15 – 15:15 Enabling technologies for beta cell transplantation

Chair: Hanne Scholz | Oslo, Norway

14:15 – 14:35	Introduction to 3D Bioprinting	Shadab Abadpour Oslo, Norway
14:35 – 14:55	Introduction to islet organoids	Ekaterine Berishvili Geneva, Switzerland
14:55 – 15:15	Introduction to Metabolism on Chip (Organ on chip)	Stefan Krauss Oslo, Norway

**15:15 – 18:45 Parallel Session:
Basic science session | WET LAB**

Topic 1	3D bioprinting of cell-laden scaffolds	Shadab Abadpour Oslo, Norway Essi Niemi Oslo, Norway
	15:15 – 16:15 Group 1	
	<i>BREAK</i>	
	16:45 – 17:45 Group 2 17:45 – 18:45 Group 3	
Topic 2	Engineering organ-on-chip platforms	Mathias Busek Oslo, Norway
	15:15 – 16:15 Group 3	
	<i>BREAK</i>	
	16:45 – 17:45 Group 1 17:45 – 18:45 Group 2	
Topic 3	Generation spheroids and organoids	Ekaterine Berishvili Geneva, Switzerland Aleksandra Aizenshtadt Oslo, Norway Chencheng Wang Oslo, Norway
	15:15 – 16:15 Group 2	
	<i>BREAK</i>	
	16:45 – 17:45 Group 3 17:45 – 18:45 Group 1	

**15:15 – 18:45 Parallel Session:
Clinical aspects
Beta cell replacement therapy programs in Europe**

15:15 – 16:15 Pancreas procurement and machine perfusion
Joana Ferrer |
Barcelona, Spain
With panellists: Morten Hagness | Oslo, Norway
Volkert Huurman | Leiden, The Netherlands

16:15 – 16:45 COFFEE BREAK

16:30 – 17:30 Techniques for Islet transplantation (challenges and
solutions to minimize risk) Torbjørn Lundgren |
Stockholm, Sweden

With panellists: Thierry Berney | Geneva, Switzerland
Michiel Nijhoff | Leiden, The Netherlands

17:30 – 18:30 Patient recruitment (allogeneic islet transplantation and
autotransplantation) Steve White |
Newcastle, United
Kingdom

With panellists: Trond G. Jenssen | Oslo, Norway Eelco
de Koning | Leiden, The Netherlands, Lorenzo Piemonti,
| Milan, Italy

20:00 – 22:00 Official Gala Dinner
[/please register via registration link/](#)

Day 3: 21 June 2022 | Tuesday

09:00 – 11:00 Autologous isolation for benign and malignant pathologies

Chairs: Lorenzo Piemonti, | Milan, Italy

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| 09:00 – 09:20 | A single-center prospective randomised Clinical Trial: TPIAT as a Superior Alternative to Pancreatoduodenectomy in Patients at Very High-risk of Complications of the Pancreatic Anastomosis | Lorenzo Piemonti, Milan, Italy |
| 09:20 – 09:40 | Isolation techniques: Autologous islets from chronic pancreatitis patients vs Allogenic islets from DBD/DCD | Marten Engelse Leiden, The Netherlands |
| 09:40 – 11:00 | Tips and tricks. Round table case discussions
- Pancreas; fatty, calcified, bloody
- Cannulating hugely dilated duct
- Contaminated pancreas
- Previous surgical drainage – how do we isolate? | Moderated by:
Julie Kerr-Conte Lille, France
Hanne Scholz Oslo, Norway |

11:00 – 11:30 COFFEE BREAK

11:30 – 13:00 Differentiation from stem cells: room for improvement

Chairs: Valeria Sordi | Milan, Italy

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| 11:30 – 11:50 | Strategies to obtain pure beta cells | Valeria Sordi Milan, Italy |
| 11:50 – 12:10 | Generation of fully functional stem cell-islets | Timo Otonkoski Helsinki, Finland |
| 12:10 – 12:30 | Manufacturing ATMPs- Laboratory workflow and clinical translation | Hanne Scholz Oslo, Norway |
| 12:30 – 12:50 | GMP compliant stem cell derived islets: How and where to transplant them? | Eelco de Koning Leiden, The Netherlands |
| 12:50 – 13:00 | Q&A | |

13:00 – 13:15 CLOSING