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 Session 1:
Mastering islet isolation to transplant

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 Presentation of IsletNet & IsletSwipe for standardized counting
David Habart | Prague, Czech Republic

15:30 – 15:45 Quality assessment of human islets - what should be the current standard?
Julie Kerr-Conte | Lille, France

15:45 – 16:00 Quality assessment of stem cell derived beta cells
Valeria Sordi | Milan, Italy

16:00 – 16:30 COFFEE BREAK

16:30 – 18:00 Session 2:
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 – 20:00 Oslo University Hospital- Cell Therapy GMP Facility tour
Hanne Scholz and Ragnhild Fjukstad | Oslo, Norway
## Day 2: 20 June 2022 | Monday

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>09:00 – 12:00</td>
<td><strong>PRISM and counting</strong></td>
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<td>Chair: Eelco de Koning</td>
<td>Leiden, The Netherlands</td>
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<tr>
<td>09:00 – 09:15</td>
<td>Introduction</td>
<td>Eelco de Koning</td>
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<td>09:15 – 11:30</td>
<td>Demonstration of the PRISM machine at the operating theatre [Institute for Surgical Research]</td>
<td>Marten Engelse and Jason B Doppenberg</td>
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<td>11:30 – 12:00</td>
<td>Practical training using the IsletNet &amp; IsletSwipe for standardized counting</td>
<td>David Habart</td>
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<td><strong>LUNCH BREAK</strong></td>
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<td>14:00 – 15:00</td>
<td><strong>Session 3: Enabling technologies for beta cell transplantation</strong></td>
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<td>Chair: Hanne Scholz</td>
<td>Oslo, Norway</td>
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<td>14:00 – 14:20</td>
<td>Introduction to 3D Bioprinting</td>
<td>Shadab Abadpour</td>
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<td>14:20 – 14:40</td>
<td>Introduction to islet organoids</td>
<td>Ekaterine Berishvili</td>
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<tr>
<td>14:40 – 15:00</td>
<td>Introduction to Metabolism on Chip (Organ on chip)</td>
<td>Stefan Krauss</td>
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</table>
15:00 – 18:00  Parallel Session 4: 
Basic science session | WET LAB

**Topic 1**
**3D bioprinting of cell-laden scaffolds**
15:00 – 15:45 Group 1
16.00 – 16:45 Group 2
17.00 – 17.45 Group 3
Shadab Abadpour | Oslo, Norway
Essi Niemi | Oslo, Norway

**Topic 2**
**Engineering organ-on-chip platforms**
15:00 – 15:45 Group 3
16.00 – 16:45 Group 1
17.00 – 17.45 Group 2
Mathias Busek | Oslo, Norway

**Topic 3**
**Generation spheroids and organoids**
15:00 – 15:45 Group 2
16.00 – 16:45 Group 3
17.00 – 17.45 Group 1
Ekaterine Berishvili | Geneva, Switzerland
Aleksandra Aizenshtadt | Oslo, Norway
Chencheng Wang | Oslo, Norway

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15:00 – 18:00  Parallel Session 4: 
Clinical aspects 
Beta cell replacement therapy programs in Europe

15:00 – 16:00  Pancreas procurement and machine perfusion
With panellists: Morten Hagness | Oslo, Norway
Volkert Huurman | Leiden, The Netherlands
Joana Ferrer | Barcelona, Spain

16:00 – 17:00  Techniques for Islet transplantation (challenges and solutions to minimize risk)
With panellists: Thierry Berney | Geneva, Switzerland
Michiel Nijhoff | Leiden, The Netherlands
Torbjorn Lundgren | Stockholm, Sweden
François Pattou | Lille, France

17:00 – 18:00  Patient recruitment (allogeneic islet transplantation and autotransplantation)
With panellists: Trond G. Jenssen | Oslo, Norway
Eelco de Koning | Leiden, The Netherlands
Melena D Bellin | Minneapolis, USA
Lorenzo Piemonti, | Milan, Italy
Steve White | Newcastle, United Kingdom
### Day 3: 21 June 2022 | Tuesday

**09:00 – 11:00**  
**Session 5:**  
**Autologous isolation for benign and malignant pathologies**

**Chairs:**  
Julie Kerr-Conte | Lille, France  
Lorenzo Piemonti, | Milan, Italy

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<tr>
<td>09:00 – 09:20</td>
<td>A single-center prospective randomised Clinical Trial: TPIAT as a Superior Alternative to Pancreatectoduodenectomy in Patients at Very High-risk of Complications of the Pancreatic Anastomosis</td>
<td>Lorenzo Piemonti,</td>
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<td>09:20 – 09:40</td>
<td>Isolation techniques: Autologous islets from chronic pancreatitis patients vs Allogenic islets from DBD/DCD</td>
<td>Marten Engelse</td>
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| 09:10 – 09:17 | 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**  
**Session 6:**  
**Differentiation from stem cells: room for improvement**

**Chairs:**  
Valeria Sordi | Milan, Italy

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<tr>
<td>11:30 – 11:50</td>
<td>Strategies to obtain pure beta cells</td>
<td>Valeria Sordi</td>
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<td>11:50 – 12:10</td>
<td>Generation of fully functional stem cell-islets</td>
<td>Timo Otonkoski</td>
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<td>12:10 – 12:20</td>
<td>Manufacturing ATMPs- Laboratory workflow and clinical translation</td>
<td>Hanne Scholz</td>
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<td>12:20 – 12:40</td>
<td>GMP compliant stem cell derived islets: How and where to transplant them?</td>
<td>Elco de Koning</td>
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<td>12:40 – 13:00</td>
<td>Discussion Panel</td>
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**13:00 – 13:15**  
**CLOSING**