



ALL TIMINGS ARE IN British Summer Time (BST) (GMT+1)

The programme has been awarded 17 CPD Credits by the Royal College of Pathologists, 17 CME credits by the European Federation for Immunogenetics and BSHI and 17.0 contact hours or 2.55 continuing education credits (CECs) have been awarded by the American Board of Histocompatibility and Immunogenetics (ABHI)

| WEDNESDAY 21 <sup>st</sup> APRIL 2021 (Day 1)  |  |   |
|--|--|---|
| 08:00  | <b>Company Symposia On Demand: CareDx, Immucor, One Lambda, Omixon, GenDx, BAG Diagnostics, Stemcell and inno-train Diagnostik</b>                     |   |
| 09:00 <b>Oral Abstracts "On Demand", Poster and Exhibition Viewing</b>   |  |   |
| <b>ARMADILLO</b><br>CHAIRS: Katharina Fleischhauer, Ann-Margaret Little and Joannis Mytilineos                   |  |   |
| 10:15  | <b>Opening Ceremony</b><br><i>Opening by 2021 Conference Organising Group followed by Welcome from EFI President and BSHI Chair</i>                    |   |
| 10:30  | <i>In memory of Erik Thorsby</i><br>Professor Ludvig Sollid  |   |
| 10:40  | <i>Julia Bodmer Lecture &amp; Award</i><br>Dr Cristina Toffalori, Italy  |   |
| 11:00  | HLA Award  |   |
| 11:10  | <i>Cepellini Lecture and Award</i><br><b>My MHC life and beyond: A fascination of the ins and outs of antigen presentation</b><br>Prof Jacques Neefjes |   |
| 12:00 <b>LUNCH – Oral Abstracts "On Demand", Poster and Exhibition Viewing</b>                                   |  |   |
| <b>ARMADILLO</b><br><b>Plenary Session 1 - Foetal/maternal immunology</b><br>CHAIRS: Andrea Harmer & Frans Claas |  |   |
| 13:00  | <i>BSHI Hilliard Festenstein Award Lecture</i><br><b>The immune system in human pregnancy</b><br>Prof Ashley Moffett, UK                               |   |
| 13:30  | <b>NK cells and HLA-G</b><br>Dr Sumi Rajagopalan   |   |
| 14:00  | <b>Uterine transplantation: A global update progress in the UK</b><br>Benjamin Jones, UK   |   |
| 14:30  | <b>Live Q &amp; A Session</b>  |   |
| 14:45 <b>BREAK – Oral Abstracts "On Demand", Poster and Exhibition Viewing</b>                                   |  |   |
|  | <b>ARMADILLO</b>   | <b>FORTH</b>  |
| 15:00  | <i>Teaching Session 1</i><br><b>NK cells: From basics to clinical Impact</b><br>CHAIRS: Paul Norman & Jill Hollenbach                                  | <i>Special Session 1</i><br><b>Mismatched VUD V Cord V Haplo - New developments in HSCT and cellular therapies</b><br>CHAIR: Alejandro Madrigal |
|  | <b>15:00 – 15:25</b>   | <b>15:00 – 15:25</b>  |

**EFI 2021**  
**FROM RESEARCH TO CLINICAL REALITY**  
 34th European Immunogenetics  
 and Histocompatibility Conference,  
 together with BSHI  
**ONLINE | 21-23 APRIL 2021**



|              |  |   |
|--------------|--|---|
|              | <p><b>NK cells: From basics to clinical impact</b><br/>                 Dr Paul Norman, USA</p> <p><b>15:25 – 15:50</b><br/> <b>Bioinformatics challenges and solutions to gain insight in the role of NK cell receptors in health and disease</b><br/>                 Dr Jill Hollenbach, USA</p> <p><b>15:50 – 16:15</b><br/> <b>Functional heterogeneity in human NK cells</b><br/>                 Prof Karl-Johan Malmberg, Norway</p> <p><b>16:15 – 16:30</b><br/>                 Live Q &amp; A Session</p> | <p><b>Mismatched VUD</b><br/>                 Prof Bronwen Shaw, USA</p> <p><b>15:25 – 15:50</b><br/> <b>Haplo</b><br/>                 Fabio Ciceri, Italy</p> <p><b>15:50 – 16:15</b><br/> <b>Cord</b><br/>                 Dr Robert Danby, UK</p> <p><b>16:15 – 16:30</b><br/>                 Live Q &amp; A Session</p> |
| <b>16:30</b> | <b>Oral Abstracts “On Demand”, Poster and Exhibition Viewing (with your own cheese &amp; wine)</b>   |   |
| <b>18:00</b> | <b>END OF DAY 1</b>  |   |



| <b>THURSDAY 22<sup>nd</sup> APRIL 2021 (Day 2)</b>  |   |   |  |  |  |   |  |  |  |
|---|---|---|--|--|--|---|--|--|--|
| <b>07:00</b>  | <b>TULIP RUN</b> (Organised by GenDx)   |   |  |  |  |   |  |  |  |
| <b>08:00</b>  | <b>Company Symposia On Demand: CareDx, Immucor, One Lambda, Omixon, GenDx, BAG Diagnostics, Stemcell and inno-train Diagnostik</b>  |   |  |  |  |   |  |  |  |
|   | <b>ARMADILLO</b><br><b>Plenary Session 2 - Regenerative medicine</b><br>CHAIRS: Constanca Figueiredo & Jean Villard   |   |  |  |  |   |  |  |  |
| <b>09:00</b>  | <b>Mastering immunogenicity: How great is the challenge for regenerative medicine?</b><br>Prof Paul Fairchild, UK   |   |  |  |  |   |  |  |  |
| <b>09:30</b>  | <b>Mesenchymal stromal cells in renal transplantation</b><br>Prof Marlies Reinders, Netherlands   |   |  |  |  |   |  |  |  |
| <b>10:00</b>  | <b>Developing macrophage based cell therapies for the damaged liver</b><br>Prof Stuart Forbes, UK   |   |  |  |  |   |  |  |  |
| <b>10:30</b>  | <b>Live Q &amp; A Session</b>   |   |  |  |  |   |  |  |  |
| <b>10:45</b>  | <b>BREAK – Oral Abstracts “On Demand”. Poster and Exhibition Viewing</b>  |   |  |  |  |   |  |  |  |
|   | <b>AMADILLO</b> <span style="float: right;"><b>FORTH</b></span>   |   |  |  |  |   |  |  |  |
| <b>11:00</b>  | <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <i>Teaching Session 2</i><br/> <b>New methods in chimerism testing</b><br/>                             CHAIRS: Leigh Keen &amp; Michael Eikmans                         </td> <td style="width: 50%; vertical-align: top;"> <i>Teaching Session 3</i><br/> <b>Relevance of HLA and non-HLA pharmacogenetics in drug hypersensitivity &amp; transplantation</b><br/>                             CHAIRS: Martin Howell &amp; Iain Macphee                         </td> </tr> </table>   | <i>Teaching Session 2</i><br><b>New methods in chimerism testing</b><br>CHAIRS: Leigh Keen & Michael Eikmans                        | <i>Teaching Session 3</i><br><b>Relevance of HLA and non-HLA pharmacogenetics in drug hypersensitivity &amp; transplantation</b><br>CHAIRS: Martin Howell & Iain Macphee |  |  |   |  |  |  |
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| <b>12:30</b>  | <b>LUNCH – Oral Abstracts “On Demand”, Poster and Exhibition Viewing</b>  |   |  |  |  |   |  |  |  |
|   | <b>ARMADILLO</b><br><b>Plenary Session 3 - Solid organ transplantation</b><br>CHAIRS: Dave Roelen & David Turner  |   |  |  |  |   |  |  |  |
| <b>13:30</b>  | <b>GWAS studies in kidney transplantation: What they tell us</b><br>Prof Peter Conlon, Ireland  |   |  |  |  |   |  |  |  |



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| 14:00 | <b>HLA Molecular Mismatch: A prognostic and predictive biomarker for primary alloimmunity</b><br>Dr Peter Nickerson, Canada            |   |
| 14:30 | <b>Treatment of late antibody-mediated rejection</b><br>Dr Georg Böhmig, Austria   |   |
| 15:00 | <b>Live Q &amp; A Session</b>  |   |
| 15:15 | <b>BREAK – Oral Abstracts “On Demand”, Poster and Exhibition Viewing</b>   |   |
| 15:30 | <b>ARMADILLO</b>   | <b>FORTH</b>  |
|       | <i>Teaching Session 4</i><br><b>New research methods</b><br>CHAIRS: Lotte Wieten & Masoud Zamani Esteki                                | <i>Special Session 2</i><br><b>ESOT: Increasing access to transplant</b><br>CHAIRS: Joannis Mytilineos & Gabriel Oniscu |
|       | <b>15:30 – 15:55</b><br><b>Single-cell omics transforms biology and medicine</b><br>Dr Masoud Zamani Esteki, Netherlands               | <b>15:30 – 15:55</b><br><b>Cellular therapies</b><br>Dr Martin Hoogduijn, Netherlands                                   |
|       | <b>15:55 – 16:20</b><br><b>Novel methodologies for functional and phenotypic immune cell profiling</b><br>Dr Lotte Wieten, Netherlands | <b>15:55 – 16:20</b><br><b>Kinetics of pretransplant HLA-DSA</b><br>Prof Maarten Naesens, Belgium                       |
|       | <b>16:20 – 16:45</b><br><b>Bioinformatics tools for research in histocompatibility</b><br>Dr Loren Gragert, New Orleans                | <b>16:20 – 16:45</b><br><b>Improving access to transplantation through technology</b><br>Mr Gabriel Oniscu, UK          |
|       | <b>16:45 – 17:00</b><br>Live Q & A Session   |   |
| 17:00 | <b>SESSIONS END</b>  |   |
| 17:15 | <b>EFI General Assembly (via GoToMeeting)</b>  |   |
| 19:00 | <b>END OF DAY 2</b>  |   |



**FRIDAY 23<sup>rd</sup> APRIL 2021 (Day 3)**

**08:30 Company Symposia On Demand: CareDx, Immucor, One Lambda, Omixon, GenDx, BAG Diagnostics, Stemcell and inno-train Diagnostik**

**ARMADILLO**

**Plenary Session 4 - NK cells in medicine**

CHAIRS: Steve Marsh & Luca Vago

**09:30 Peptide: MHC specificity of the killer cell immunoglobulin-like receptors: a potential target for immunotherapy**  
 Prof Salim Khakoo, UK

**10:00 Administration of donor-derived ex vivo expanded NK cells after haploidentical transplantation improves treatment outcomes**  
 Prof Stefan O Ciurea, USA

**10:30 Live Q & A Session**

**10:45 BREAK – Oral Abstracts “On Demand”, Poster and Exhibition Viewing**

**ARMADILLO**

**Best Oral Abstract Session**

CHAIRS: Katharina Fleischhauer & Ann-Margaret Little

**11:00**

**11:00 – 11:08**  
**The loss of HLA-F / KIR3DS1 ligation post HIV infection is mediated by hemoglobin peptides**  
 Funmilola Haukamp

**11:08 – 11:16**  
**The immunopeptidomes of two transmissible cancers demonstrate a dominant and partly shared peptide motif for MHC class I**  
 Dr Hannah Siddle

**11:16 – 11:24**  
**Semaphorin 5A is a candidate biomarker for graft rejection after lung transplantation**  
 Tamina Rother

**11:24– 11:32**  
**Peptide-dependent T cell cross-reactivity drives allorecognition**  
 Dr Nicole Mifsud

**11:32 –11:40**  
**Peptide-specific CAR-T cells and TRUCKs with inducible IL-12 expression control epstein-barr virus-associated lymphoproliferation**  
 Anna Dragon



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|              | <p><b>11:40 – 11:48</b><br/> <b>Chimpanzees and bonobos have MHC-A allotypes resembling an HLA-A*03-like supertype: implications for controlling retroviral infections</b><br/>                 Dr Natasja de Groot</p> <p><b>11:48 – 11:56</b><br/> <b>Unraveling the determinants of alloreactivity in humans: HLA-DP as a model for immunity and transplantation</b><br/>                 Esteban Arrieta Bolanos</p> <p><b>11:56 – 12:30</b><br/>                 Live Q &amp; A Session</p> |
| <b>12:30</b> | <b>LUNCH – Oral Abstracts “On Demand”. Poster and Exhibition Viewing</b>   |
|              | <p><b>ARMADILLO</b><br/> <i>Plenary Session 5 - HLA &amp; antigen presentation</i><br/>                 CHAIRS: David Briggs &amp; Kay Poulton</p>   |
| <b>13:30</b> | <p><i>BSHI Terasaki Award Lecture</i><br/> <b>Distinguishing HLA allotypes through their interactions with the peptide loading complex</b><br/>                 Dr Mary Carrington, USA</p>  |
| <b>14:00</b> | <p><b>HLA Presentation of viral &amp; tumor neoantigens</b><br/>                 Prof William Hildebrand, USA</p>  |
| <b>14:30</b> | Live Q & A Session   |
| <b>14:45</b> | <b>BREAK – Oral Abstracts “On Demand”, Poster and Exhibition Viewing</b>   |
| <b>15:00</b> | <p><b>18th International Workshop Update</b><br/>                 Sebastian Heidt and Eric Spierings</p>   |
| <b>15:30</b> | <p><i>Closing Lecture</i><br/>                 CHAIRS: Colin Brown &amp; Mats Bengtsson<br/> <b>Using super-resolution microscopy to watch immune cells kill</b><br/>                 Prof Dan Davis, UK</p>   |
| <b>16:20</b> | <p><b>Closing Ceremony</b></p> <p><b>Jon van Rood Award and Best Abstract Awards</b><br/>                 Chair: Steven Marsh</p> <p><b>BSHI Paul Sinnott Award</b><br/>                 Chair: Deb Sage</p> <p><b>Best Poster Awards</b><br/>                 Chair: David Turner</p>   |
| <b>16:30</b> | <p><b>Next Conference: Amsterdam 2022</b><br/>                 Eric Spierings and Sebastian Heidt</p>  |
| <b>16:35</b> | <p><b>Closing Remarks</b><br/>                 Ann-Margaret Little and Joannis Mytilineos</p>  |
| <b>16:40</b> | <b>END OF DAY 3</b>  |