

EFI 2021

FROM RESEARCH TO CLINICAL REALITY

34th European Immunogenetics and Histocompatibility Conference, together with BSHI

ONLINE | 21-23 APRIL 2021



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 21st APRIL 2021 (Day 1)

08:00	Company Symposia On Demand: CareDx, Immucor, One Lambda, Omixon, GenDx, BAG Diagnostics, Stemcell and inno-train Diagnostik	
09:00	Oral Abstracts "On Demand", Poster and Exhibition Viewing	
	ARMADILLO	
10:30	Opening Ceremony <i>Opening by 2021 Conference Organising Group followed by Welcome from EFI President and BSHI Chair</i>	
10:40	Julia Bodmer Lecture & Award	
11:00	HLA Award	
11:10	<i>Cepellini Lecture and Award</i> My MHC life and beyond: A fascination of the ins and outs of antigen presentation Prof Jacques Neefjes	
12:00	LUNCH – Oral Abstracts "On Demand", Poster and Exhibition Viewing	
	ARMADILLO <i>Plenary Session 1 - Foetal/maternal immunology</i>	
13:00	<i>BSHI Hilliard Festenstein Award Lecture</i> The immune system in human pregnancy Prof Ashley Moffett, UK	
13:30	NK cells and HLA-G Dr Sumi Rajagopalan	
14:00	Uterine transplantation: A global update progress in the UK Benjamin Jones, UK	
14:30	Live Q & A Session	
14:45	BREAK – Oral Abstracts "On Demand", Poster and Exhibition Viewing	
	ARMADILLO	FORTH
15:00	<i>Teaching Session 1</i> NK cells: From basics to clinical Impact	<i>Special Session 1</i> Mismatched VUD V Cord V Haplo - New developments in HSCT and cellular therapies
	15:00 – 15:25	MODERATOR: Prof Alejandro Madrigal, UK

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

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THURSDAY 22nd APRIL 2021 (Day 2)		
07:00	TULIP RUN (Organised by GenDx)	
08:00	Company Symposia On Demand: CareDx, Immucor, One Lambda, Omixon, GenDx, BAG Diagnostics, Stemcell and inno-train Diagnostik	
	ARMADILLO <i>Plenary Session 2 - Regenerative medicine</i>	
09:00	Mastering immunogenicity: How great is the challenge for regenerative medicine? Prof Paul Fairchild, UK	
09:30	Mesenchymal stromal cells in renal transplantation Prof Marlies Reinders, Netherlands	
10:00	Developing macrophage based cell therapies for the damaged liver Prof Stuart Forbes, UK	
10:30	Live Q & A Session	
10:45	BREAK – Oral Abstracts “On Demand”, Poster and Exhibition Viewing	
	AMADILLO FORTH	
11:00	<i>Teaching Session 2</i> New methods in chimerism testing	<i>Teaching Session 3</i> Relevance of HLA and non-HLA pharmacogenetics in drug hypersensitivity & transplantation
	<p>11:00 – 11:25 New methods in chimerism testing, Integration into Existing Laboratory Practice Dr Leigh Keen, UK</p> <p>11:25 – 11:50 Implications of pregnancy-induced microchimerism for transplantation outcome and methodologies for detection Dr Michael Eikmans, Netherlands</p> <p>11:50– 12:15 New chimerism technologies for the study of relapse immunobiology Dr Cristina Toffalori, Italy</p> <p>12:15 – 12:30 Live Q & A Session</p>	<p>11:00 – 11:25 Introduction to Pharmacogenetics: Current status and future directions in the H&I laboratory Dr Martin Howell, UK</p> <p>11:25 – 11:50 Transplant drug-related pharmacogenetics Prof Iain A M Macphee, UK</p> <p>11:50– 12:15 HLA associations in drug-induced liver injury and their clinical significance Prof Ann Daly, UK</p> <p>12:15 – 12:30 Live Q & A Session</p>
12:30	LUNCH – Oral Abstracts “On Demand”, Poster and Exhibition Viewing	
	ARMADILLO <i>Plenary Session 3 - Solid organ transplantation</i>	
13:30	GWAS studies in kidney transplantation: What they tell us	



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



FRIDAY 23rd 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

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

11:00 – 11:08
The loss of HLA-F / KIR3DS1 ligation post HIV infection is mediated by hemoglobin peptides
 Gia-gia Toni Ho

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

11:40 – 11:48
Chimpanzees and bonobos have MHC-A allotypes resembling an HLA-A*03-like supertype: implications for controlling retroviral infections
 Dr Natasjade Groot

11:48 – 11:56
Unraveling the determinants of alloreactivity in humans: HLA-DP as a model for immunity and transplantation
 Esteban Arrieta Bolanos

11:56 – 12:30
 Live Q & A Session



12:30	LUNCH – Oral Abstracts “On Demand”, Poster and Exhibition Viewing
	ARMADILLO <i>Plenary Session 5 - HLA & antigen presentation</i>
13:30	<i>BSHI Terasaki Award Lecture</i> Distinguishing HLA allotypes through their interactions with the peptide loading complex Dr Mary Carrington, USA
14:00	HLA Presentation of viral & tumor neoantigens Prof William Hildebrand, USA
14:30	Live Q & A Session
14:45	BREAK – Oral Abstracts “On Demand”, Poster and Exhibition Viewing
15:00	18th International Workshop Update
15:30	<i>Closing Lecture</i> Using super-resolution microscopy to watch immune cells kill Prof Dan Davis, UK
16:20	Closing Ceremony
16:30	END OF DAY 3