

38th European Immunogenetics & Histocompatibility Conference

Immunogenetics → Science and Clinical Applications → **The Way Ahead**

14–17 May 2025, Prague, Czech Republic, Prague Congress Centre



PRELIMINARY PROGRAM

ASSOCIATED MEETINGS

TUESDAY, MAY 13, 2025

09:00–17:00 **EFI Inspectors Workshop**
ESHI Diploma examination

Panorama Hall

WEDNESDAY, MAY 14, 2025

08:30–17:30 **EFI Committee Meetings**
08:30–17:00 **Executive committee meeting**
08:30–17:00 **Accreditation committee meeting**
08:30–17:00 **Standards committee meeting**
10:00–12:30 **Workshop on Flow Cytometry Crossmatch, Patient Based Cases**
10:00–14:00 **EPT committee meeting**
11:00–13:30 **IT & Bioinformatics committee meeting**
13:30–17:00 **Education committee meeting**
13:30–16:00 **Scientific committee meeting**
16:00–17:30 **Open Meeting of the EFI Population Genetics Working Group**
16:00–16:45 Oral presentations on population genetics related topics
16:45–17:30 Update on the 19th IHIW Component "Population Genetics, Anthropology and Evolution (PGAE)" (Japan 2026), discussion.

Room 221
Club D
Room 223
Club E
Room 222
Room 2.3
Room 224
Room 225
Club A

10:00–12:30 **Workshop on Flow Cytometry Crossmatch, analysis of complex patient based cases**
Chair: Robert Liwski

Club E



SCIENTIFIC PROGRAM

WEDNESDAY, MAY 14, 2025

17:30–18:15	Opening Ceremony	Forum Hall
17:30–18:15	Welcome addresses <i>Chairs: Marco Andreani, Antonij Slavcev, Gottfried Fischer</i>	
18:15–18:30	HLA award <i>Chair: Steven Marsh</i>	
18:30–19:00	Julia Bodmer award <i>Chair: Luca Vago</i>	
19:00–19:30	Cepellini Lecture <i>Chair: Marco Andreani</i>	
19:30–22:00	Welcome Drink	

THURSDAY, MAY 15, 2025

08:30–10:00	Plenary Session I: Organ Transplantation <i>Chairs: Caner Süsal, Stefan Schaub</i>	Forum Hall
08:30–09:00	Regulatory T cell therapy in transplantation <i>Matthew Brook</i>	
09:00–09:30	Complex situations in antibody diagnostics <i>Robert Liwski</i>	
09:30–10:00	Antibody-Mediated Rejection of Solid-Organ Allografts <i>Carmen Lefaucheur</i>	
10:00–10:30	Coffee Break	Forum Hall
10:30–12:00	Parallel Sessions Joint Session with the Czech Society for Organ Transplantation <i>Chairs: Ondrej Viklicky, Georg Böhmig</i>	
10:30–11:00	HLA incompatible transplantation: current possibilities <i>Ondrej Viklicky</i>	
11:00–11:30	The development of anti-CD38 therapy in organ transplantation <i>Georg Böhmig</i>	
11:30–12:00	Cell free DNA in the diagnostics of lung transplant rejection <i>Jan Havlín</i>	
10:30–12:00	Teaching session 1: Bioinformatics and its use in the laboratory <i>Chairs: Eric Spierings, James Robinson, Nico Vince, Marco Punta</i>	

South Hall 2B



10:30–12:00

Abstract session 1:

North Hall

Immunogenetics of Infection and Autoimmune Diseases

Chairs: Sonia Bourguiba-Hachemi, Katerina Tarassi

O|9 Multi-omics Analysis of T Cells in Narcolepsy

Mihoko Shimada, Taku Miyagawa, Makoto Honda, Katsushi Tokunaga

O|10 COVID-19 Vaccine Side Effects Are Associated With HLA-A*03:01 Carriage and Fewer Breakthrough Infections in a T-cell Independent Manner

Anshika Srivastava, Demetra S. M. Chatzileontiadou, Rayo Suseno, Sean Lin, Tasneem Yusufali, Noah D. Peyser, Ticiana D.J. Farias, Katherine M Kichula, Katerina Tarassi, Elissavet Kontou, Kleio Ampelakiotou, Alexandra Tsirogianni, Dimitrios Zoulas, Paul J. Norman, Gregory M. Marcus, Jeffrey E. Olgin, Mark J. Pletcher, Martin Maiers, Stephanie Gras, Jill A. Hollenbach

O|11 Identification of Genetic Susceptibility to Develop Invasive Pneumococcal Disease in Children by Whole-exome Sequencing

Morgane Gélín, Claire Leman, Martin Morin, Axelle Durand, Olivia Rousseau, Christèle Gras-Leguen, Fleur Lorton, Julie Toubiana, Caroline Thomas, Jérôme C. Martin, Sophie Limou, Nicolas Vince, Elise Launay

O|12 HLA Genotype Combinations Impact Allele Association with Multiple Sclerosis Risk

Anna Serova-Erard, Igor Faddeenkov, Stanislas Demuth, Sonia Bourguiba-Hachemi, Pierre-Antoine Gourraud, Nicolas Vince, François Cornélis

O|13 Autoantibody Repertoires in Healthy People Vary According to HLA and May Explain Risk for Autoimmune Disease

Rayo Suseno, Juliano Boquett, Jill A. Hollenbach, Bonny Alvarenga, Tom Ituarte, Martin Maiers, Ravi Dandekar, Stephen Spellman, Cynthia Vierra-Green, Michael Wilson

O|14 T-cell Receptor Repertoire Sequencing at Single-cell Resolution in Endemic Pemphigus Foliaceus

Verónica Calonga-Solís, Ticiana D. J. Farias, Ivan R Wolf, Gabriel A. Cipolla, Danielle Malheiros, Maria Luiza Petzl-Erler, Danillo G. Augusto

O|15 HLA in the Genetic Landscape of Multiple Sclerosis Patients from the French National OFSEP-HD Cohort

Julien Paris, Nayane Dos Santos Brito Silva, Igor Faddeenkov, Martin Morin, Leo Boussamet, Mitra Barzine, Stanislas Demuth, Anna Serova-Erard, Sonia Bourguiba-Hachemi, François Cornélis, Sophie Limou, Romain Casey, Sandra Vukusic, Laureline Berthelot, David Laplaud, Nicolas Vince, Pierre-Antoine Gourraud

O|16 HLA-C Amino Acid Level Analysis Suggests a Role for Innate Immunity in Type 1 Diabetes Susceptibility

Janelle Noble, Steven Mack



10:30–12:00

Abstract session 2

Panorama Hall

New Technologies, Cancer Immunogenetics and Reproduction

Chairs: Moshe Israeli, Katarzyna Bogunia Kubik

O|17 Generation and Expansion of Low Immunogenic Human Limbal Stem Cells for Clinical Application

Suganya Annadurai, Alice Rovai, Rabea Dettmer, Martin Boergel, Rainer Blasczyk, Constanca Figueiredo

O|18 Allele Frequency and Novel Genetic Variation Uncovered by Full-length MICA and MICB Genotyping Using PacBio SMRT Sequencing in 1,733 UK HCT Samples

Jonathan A. M. Lucas, Sebastian J. F. Hopper, Thomas R. Turner, Steven G. E. Marsh, James Robinson, Neema P. Mayor

O|19 Single-cell Long-read Sequencing Analysis in Endemic Pemphigus Foliaceus

Ticiana D. J. Farias, Verónica Calonga-Solís, Ivan R. Wolf, Gabriel A. Cipolla, Danielle Malheiros, Maria Luiza Petzl-Erler, Danillo G. Augusto

O|20 Exploring the Germline Diversity of Immunoglobulin Regions in Rhesus Macaques

Susan E. Ott, Ngoc Giang Le, Jesse W. Mittertreiner, Sayed J. Mohammadi, Nanine de Groot, Marit K. H. van der Wiel, Natasja G. de Groot, Ronald E. Bontrop, Jesse Bruijnesteijn

O|21 Refining HLA Divergence Metrics Through TCR–Peptide Interaction Hotspots to Calculate Functional HLA Divergence

Cédric Usureau, Véronique Letort, Jean-Luc Taupin

O|22 Impact of anti-PD-1 Treatment on DSA Generation in Cancer Patients

Séverine Planel, Guillaume Vayssière, Claude Vichier, Carole Puget, Marie Gérard, Béatrice Devos, Frédérique Cantero, Anne Sibille, Ingel Demedts, Elvire Pons-Tostivint, Charlotte Van de Kerkhove, Sofie Derijcke, Willemijn Theelen, Bonne Biesma, Franck Borm, Els Wauters, Benoit Colinet, Denis Moro-Sibilot, Maurice Perol, Eva-Lotte Buchmeier, Marcin Skrzypski, Kristof Cuppens, Johan Vansteenkiste, Channa Debruyne, Béatrice Bardy, Gianni Maggipinto, Joël Plumas

O|23 HLA-B–21M/T Dimorphism as a Biomarker for Stratifying Bladder Cancer Immunotherapy

Inmaculada Ruiz Lorente, Lourdes Gimeno, Alicia López-Abad, Pedro López Cubillana, María Victoria Martínez-Sánchez, Eduardo Pons-Fuster, Alfredo Minguela

O|24 KIR Genes and NK Subset Associations May Predict Reproduction Failures

Snezhina Kandilarova, Tsvetelin Lukanov, Antoneta Nedyalkova, Alexandar Kalchev, Anastasiya Mihaylova, Elissaveta Naumova

12:00–14:00

Lunch Break

12:00–13:00

Industry symposium – GenDx

Panorama Hall

13:00–14:00

Industry symposium – Werfen

Panorama Hall

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14:00–15:30	Plenary Session II: HSCT <i>Chairs: Jean Villard, Milena Vraná</i>	Forum Hall
14:00–14:30	Haematopoietic stem cell transplantation in children with primary immunodeficiency – thirty years experience in the Czech Republic <i>Renata Formánková</i>	
14:30–15:00	Immunopeptidomes in allogeneic HSCT: where do we stand? <i>Pietro Crivello</i>	
15:00–15:30	New frontiers in cellular therapies for autoimmune disease <i>Raffaella Greco</i>	
15:30–16:00	Coffee Break	
16:00–17:30	Teaching session 2: Choose the donor! <i>Chairs: Deborah Sage, Eduard Palou, Sandra Tafulo</i> Kidney HSCT Heart/Lung	Panorama Hall
16:00–17:30	Special session: Tolerance <i>Chairs: Dominique Charron, Sylvie Ferrari-Lacraz</i> Stealth transgenes enable CAR-T cells to evade host immune response <i>Korneel Grauwet</i> CAR-T cell immunotherapy <i>Dimitrios Mougiakakos</i> Engineered IL-10-producing dendritic cells for cell-based approaches to restore tolerance <i>Silvia Gregori</i>	Forum Hall



16:00–17:30

Abstract session 3

South Hall 2B

Solid Organ Transplantation

Chairs: Sebastiaan Heidt, Ron Löwenthal

O|25 A Novel Machine Learning Algorithm Discovers High Risk HLA-A Amino Acid Mismatches that Distinguish Divergent HLA-A Allele Families in Kidney Transplant Recipients

Malek Kamoun, Harsh Bandhey, Loren Gragert, Keith McCullough, Nicholas Brown, Brian Ling, Ryan Urbanowicz

O|26 Preformed Anti-HLA Donor-specific Antibodies in Liver Transplantation: A Multicentric Study Nested in the Swiss Transplant Cohort Study (STCS)

Julien Vionnet, Sylvie Ferrari-Lacraz, Yannick Muller, Antonio Mancarella, Stefan Schaub, Jakob Nilsson, Urs Wirthmueller, Linard Hoessly, Susanne Stampf, Michael Koller, Nicolas Mueller, Myriam Amrari, Oriol Manuel, Dela Golshayan, Montserrat Fraga, Darius Moradpour, Nicolas Goossens, Giulia Magini, Valérie McLin, Philippe Compagnon, Barbara Wildhaber, Andreas Kremer, Jose Oberholzer, Annalisa Berzigotti, Vanessa Banz, Christine Bernsmeier, Philipp Dutokowski, David Semela, Giuseppe Pantaleo, Manuel Pascual, Jean Villard

O|27 Matchability in Eurotransplant

Hans de Ferrante

O|28 HLA-EP-RESOLVER: A Novel Web-based Bioinformatic Tool to Determine the Presence or Absence of DSA against Rare HLA Alleles in the Era of Rapid High-resolution Deceased Donor HLA Genotyping

Linh Truong, Fredrick Mobegi, Babette Vogels, Dianne De Santis, Jonathan Downing, Lloyd D'Orsogna

O|29 Exploitation of Two Cohorts of Patients Treated with the Same Allogenic Cell-Based Vaccine to Study the Immunogenicity of HLA-DRB1 Eplets

Marie Gérard, Carole Puget, Claude Vichier, Ornella Senoussi, Guillaume Vayssière, Gianni Maggipinto, Joël Plumas, Séverine Planel, Béatrice Bardy

O|30 Transplant Assessment and Relative Opportunity Tool (TAROT)

Readings – 2-year Outcomes

Adrienne Seitz, Katherine Mounsey, Pamela Hughes, Matthew Welberry Smith, Sunil Daga, Richard Baker, Brendan Clark

O|31 M.A.R.Co: An Interactive Platform for HLA Allele MFI Correlation and Serotype Validation

Renato de Marco, Alberto Cardoso Martins Lima, João Henrique Campos, Gustavo Alves, Maria Gerbase-DeLima

O|32 Immunogenomic Exploration in a Large Kidney Transplantation Genetic Cohort Reveals Associations with BKPyV and EBV Infections

Nicolas Vince, Sonia Bourguiba-Hachemi, Romain Gautier, Vincent Mauduit, Céline Bressollette-Bodin, Sophie Limou

16:00–17:00

Industry symposium – Werfen

North Hall

09:00–17:00

19th International HLA and Immunogenetics Workshop

Club D

17:30–19:00

Poster viewing session

Poster Area

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FRIDAY, MAY 16, 2025

08:30–10:00	Plenary Session III: New Developments – The cutting edge of transplantation <i>Chairs: Rainer Blasczyk, Brendan Keating</i>	Forum Hall
08:30–09:00	Translational research in allogeneic HSCT <i>Gerard Socie</i>	
09:00–09:30	Modified Stem cells for Transplantation <i>Lukas T Jeker</i>	
09:30–10:00	Outcomes of Xenotransplantation <i>Brendan J Keating</i>	
10:00–10:30	Coffee Break	
10:30–12:00	Parallel Sessions Teaching session 3: National and international allocation systems <i>Chairs: Gonca Karahan, Dave Turner, Elena Longhi</i>	Forum Hall
10:30–10:50	Italy <i>Elena Longhi</i>	
10:50–11:10	UK <i>Dave Turner</i>	
11:10–11:30	Czech Republic <i>Antonij Slavcev & Dana Vasickova</i>	
11:30–12:00	Eurotransplant <i>Gonca Karahan</i>	
10:30–12:00	Teaching session 4: Chimerism <i>Chairs: Valerie Dubois, Esteban Arrieta-Bolanos</i>	Panorama Hall
10:30–11:00	STR and qPCR methods, EPT experience <i>Lucie Stefflová</i>	
11:00–11:30	dPCR and NGS methods, cell subsets analysis <i>Valerie Dubois</i>	
11:30–12:00	Chimerism and HLA Loss <i>Esteban Arrieta-Bolanos</i>	
10:30–11:30	Industry symposium – CareDx	North Hall
10:30–12:00	Young EFI Professionals Session: How to tell and sell your story <i>Chairs: Michaela Agapiou, Jonathan Lucas</i> Part 1: Beginner's Guide to Science Communication Karolina Pstross, Pat Smith Part 2: Tips for Science Writing Karolina Pstross, Pat Smith	South Hall 2B
12:00–14:00	Lunch Break	
12:00–13:00	Industry symposium – Thermo Fisher Scientific	North Hall
13:00–14:00	Industry symposium – CareDx	Panorama Hall

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12:30–13:30	Meet the expert session Bioinformatics	Club A
14:00–15:30	Plenary Session IV: Evolutionary genetics <i>Chairs: Alicia Sanchez-Mazas, Zorana Grubic</i>	Forum Hall
14:00–14:30	The ecology and evolution of Mycobacterium tuberculosis in the context of host genetic variation Sebastien Gagneux	
14:30–15:00	Genetic Adaptation Luisa Pereira	
15:00–15:30	Anthropology of the Avar communities Zuzana Hofmanová	
15:30–16:00	Coffee Break	
16:00–17:30	Special Session: Progress in Disease associations, various <i>Chairs: Frantisek Mrázek, Elissaveta Naumova</i> Harmonization of HLA tests for diagnostics of Celiac Disease Milena Vraná Development of stem cell transplantation in Bulgaria and the Bulgarian Stem cell Registry Elissaveta Naumova Organ transplantation, immunogenetics and immune monitoring in India Uma Kanga Update on mechanisms of HLA association with diseases – trimolecular complex and beyond Frantisek Mrazek	Forum Hall

16:00–17:30

Abstract session 4

Panorama Hall

Haematopoietic Stem Cell Transplantation (HSCT)

Chairs: Ann-Margaret Little, Milena Ivanova

O|33 Alloreactive NK Cells in Leukaemia Relapse: Single-Cell Transcriptomics Unveils Inflammation-Driven Dysfunctions and Metabolic Reprogramming

Giorgio Orofino, Pier Edoardo Rovatti, Marco Punta, Matteo Maria Naldini, Matteo Giovanni Carrabba, Massimo Bernardi, Bernhard Gentner, Fabio Ciceri, Luca Vago, Cristina Toffalori

O|34 HLA mismatching in Unrelated HCT: Different Landscapes Across Loci Underlie Clinical Associations in Contemporary Transplantation

Esteban Arrieta-Bolaños, Edouard F. Bonneville, Pietro Crivello, Tobias Gedde-Dahl, Régis Peffault de Latour, Urp Salmenniemi, Nicolaus Kröger, Ibrahim Yakoub-Agha, Marco Zecca, Goda Choi, Charles Crawley, Eleni Tholouli, Valérie Dubois, Juha Peräsaari, Lotte Wieten, Steven G. E. Marsh, Mats Bengtsson, Jorinde D. Hoogenboom, Jürgen Kuball, Florent Malard, Annalisa Ruggeri, Katharina Fleischhauer, The Cellular Therapy and Immunobiology Working Party of the EBMT

O|35 Increasing Immunoepitope Divergence between Mismatched HLA Haplotypes Improves Survival after Contemporary Haploidentical HCT

Pietro Crivello, Meilun He, Tao Wang, Shahinaz M. Gadalla, Esteban Arrieta-Bolaños, Steven G. E. Marsh, Stephanie J. Lee, Yung-Tsi Bolon, Katharina Fleischhauer

O|36 Peptide Binding Motif Mismatches and Outcome in ex vivo T-cell Depleted Haploidentical Hematopoietic Cell Transplantation in Paediatric Patients Affected by Acute Leukaemia

Pietro Crivello, Pietro Merli, Maria Troiano, Franco Locatelli, Katharina Fleischhauer, Marco Andreani

O|37 Report on the Largest Analysis of 5-locus HLA Haplotype Frequencies in India Based on 550,000 Individuals on the DATRI Register Across 18 Indian Regions

Michaela Agapiou, Nezih Cereb, Claudia Rutt, Steven G. E. Marsh, James Robinson

O|38 Genetically Modified T-cells for Therapy of Human Cytomegalovirus Reactivation Following Hematopoietic Stem Cell Transplantation

Marie Vallo, Jan Musil, Klára Labská, Kateřina Roubalová, Kamila Alexová Žůrková, Pavel Gabriel, Jitka Kryštofová, Šárka Němečková

O|39 Study of Telomere Length Kinetics and Telomerase Reverse Transcriptase Gene Polymorphism in Children Undergoing Allogeneic Haematopoietic Stem Cell Transplantation

Marta Dratwa-Kuzmin, Katharina Häusler, Marek Ussowicz, Barbara Wysoczańska, Blanka Rybka, Renata Ryczan-Krawczyk, Krzysztof Kałwak, Katarzyna Bogunia-Kubik

O|40 HLA-DQ8 Heterodimer and Relapse Risk After Allogeneic Stem Cell Transplantation: Impact on Graft-versus-Leukaemia Effect in a 400-Patient Study

Carmen Tania Prezioso, Giulia Losi, Annamaria Pasi, Valentina Da Prat, Antonio Bianchessi, Caterina Zerbi, Irene Defrancesco, Ilaria Sbarsi, Rosalia Cacciatore, Paola Bergamaschi, Francesco Romano, Alessia Taurino, Valentina Zoboli, Luca Arcaini, Cesare Giuseppe Perotti, Riccardo Caccialanza, Nicola Polverelli



16:00–17:30

Abstract session 5

South Hall 2B

Bioinformatics

Chairs: Claudia Lehmann, Jean-Luc Taupin

O|41 Automated Algorithm for Quantitative Eplet Interpretation of Single Antigen Profiles in Anti-HLA Sensitized Patients

Romain Lhotte, Ilaria Carelli, Magali Devriese, Cédric Usureau, Dave Lowe, Peter Diep, Jérémy Siemowski, Véronique Letort, Jean-Luc Taupin

O|42 HLA Proteins Influence the Composition of T-cell Receptor Complementarity Determining Region 3 Through Loci Associated with Autoimmunity and Response to Common Infections

Evgeniya Lokes, Gabriele Mayr, Andre Franke, Hesham Elabd

O|43 Decoding the Restriction of T-cell Receptors Beta Chain Clonotypes to HLA Alleles Using Statistical Learning

Hesham Elabd, Aya Mahdy, Andre Franke

O|44 SAgA, a High Throughput Automated Algorithm to Optimize and Standardize the Interpretation of Anti-HLA Antibody Single Antigen Profiles

Romain Lhotte, Jérémy Siemowski, Cédric Usureau, Magali Devriese, Isabelle Jollet, Melchior Le Mene, Véronique Letort, Jean-Luc Taupin

O|45 TCR-GENIE – T Cell Receptor (TCR)- Generative Engine for Novel Immunological Exploration – Full peptide-specific TCR Generation

Sapir Israeli, Yoram Louzoun

O|46 Computational Statistical Methods for the Generation of Synthetic HLA Twins Under the Balance Between Representability and Privacy for Open Data-sharing

Igor Faddeenkov, Anna Serova-Erard, Julien Paris, Sonia Bourguiba-Hachemi, François Cornélis, Sophie Limou, Nicolas Vince, Pierre-Antoine Gourraud

O|47 A Density Based Approach to Interpreting Luminex Data: Decomposing Camel Humps

Thomas Schacker, Ramona Landgraf, Ilias Doxiadis, Henry Loeffler-Wirth, Claudia Lehmann

O|48 PONG 2.0: Allele Imputation for the Killer-cell Immunoglobulin-like Receptors

Suraju Sadeeq, Laura Ann Leaton, Erick C. Castelli, Paul J. Norman



16:00–17:30	Abstract session 6 MHC Evolution, Anthropology & Population Genetics <i>Chairs: Ronald Bontrop, Fatma Ogüz</i> O 49 Multigenic Selection on HLA-DP Haplotypes: The Interplay Between Dimer Stability and Binding Diversity <i>Rushi Dai, José Manuel Nunes, Alicia Sanchez-Mazas, Sandra Tafulo, Marco Andreani, Xiangjun Liu, Da Di</i> O 50 A Quantitative Characterisation of the Extent of Homopolymer and Repeat Region Polymorphism Within the HLA Gene System <i>Richard HL. Natarajan, Thomas R. Turner, Dominic J. Barker, Neema P. Mayor, James Robinson</i> O 51 Visualizing Global HLA Amino-Acid, Allele and Haplotype Frequencies – At Work and On the Go <i>Livia Tran, Steven Mack</i> O 52 HLA-DRB region Haplotype Sequence Alignments Identify New DRB Pseudogenes and the Need for an Update to the HLA-DRB Map <i>Nickolai Alexandrov, Lindley Blair, Brian Nadon, Ting Wang, Dave Lowe, David Sayer</i> O 53 Haplotype Associations and Structure of 2 Previously Undescribed HLA-DRB Loci, HLA-DRBTF1 and DRBITF2 <i>Lindley Blair, Nickolai Alexandrov, Ting Wang, Brian Nadon, Dave Lowe, David Sayer</i> O 54 A Multi-focal View of the HLA-DRB Region from an Informed Population Genetic Perspective <i>Ndeye Faye, Thomas Goeury, Pascale Gerbault, Viktor Černý, Hiba Babiker, Hacene Brouk, Eric Crubézy, Youssef Idaghdour, Mohammed Melhaoui, Harilanto Razafindrazaka, Audrey Sabbagh, Carina Schlebusch, Paul Verdu, Amélie Chimènes, Stéphane Buhler, Marco Andreani, José Manuel Nunes, Alicia Sanchez-Mazas</i> O 55 Characterizing Non-coding Sequences in the MHC and KIR Regions to Understand Mechanisms of Diversification <i>Marit KH. van der Wiel, Nanine de Groot, Ngoc Giang Le, Ronald E. Bontrop, Natasja G. de Groot, Jesse Bruijnesteijn</i> O 56 LILRB1 and LILRB2 Polymorphism in Old World Monkey Species Across Two Continents: A Comparison with Human Data <i>Natasja G. de Groot, Nanine de Groot, Marit K. H. van der Wiel, Annemiek J. M. de Vos-Rouweler, Lisanne Storm, Nel Otting, Roja F. Acar, Ronald E. Bontrop, Jesse Bruijnesteijn</i>	North Hall
09:00–17:00	19th International HLA and Immunogenetics Workshop	Club D
17:30–18:00	EFI medals ceremony <i>Chair: Marco Andreani</i>	Forum Hall
18:00–19:00	EFI General Assembly	Forum Hall
20:30–23:00	Networking Event	

SATURDAY, MAY 17, 2025

09:00–10:30

Best abstracts session

Panorama Hall

Chairs: Marco Andreani, Luca Vago

O|1 HLA Loss Relapses after Transplantation: Time of Origin and Facilitation from Exposure to Ganciclovir

Cristina Toffalori, Riccardo Bergamin, Alice Antonello, Anna Francesca Tortorelli, Giorgio Orofino, Fatemeh Kordovani, Matteo Cristante, Hengwei Wu, Yanmin Zhao, Mi Kwon, Elena Lo Furno, Salvatore Milite, Nicola Calonaci, Giorgia Gandolfi, Aurora Maurizio, Raffaella Greco, Gabriele Bucci, Dejan Lazarevic, Raffaella Di Micco, Leonardo Egidi, Federica Cugnata, Marco Punta, Clelia Di Serio, Martin S. Taylor, Giovanni Tonon, Fabio Ciceri, Giulio Caravagna, Luca Vago

O|2 Characterization of a hematopoietic tissue-specific T-cell receptor alloreactive to HLA-DPB1

Thuja Arrieta Bolaños, Luisa Betke, Isabel Adorf, Theresa Pietz, Pietro Crivello, Monika Lindemann, Peter A. Horn, J.H. Frederik Falkenburg, Esteban Arrieta-Bolaños, Katharina Fleischhauer

O|3 HLA-E*01:03/Sars-Cov2-Nsp13 complexes mediate loss of NKG2 receptors

Lara-Marie Behrens, Eline Gall, Zoe Maria Hartmann, Wiebke Hiemisch, Aleksandra Gazikalovic, Rainer Blasczyk, Christina Bade-Doeding

O|4 ERAP1 controls NK-cell anti-tumor immunity via the KIR-HLA-A/B/C and NKG2A-HLA-E inhibitory checkpoints

Kamila Krol, Maria Troiano, Martha Nikopaschou, Martina Samiotaki, George Panayotou, Sara Lai, Michela E. Falco, Efstratios Stratikos, Marco Andreani, Franco Locatelli, Doriana Fruci

O|5 Phenome-Wide Association Study in 70,724 Individuals Uncovers Novel HLA Influences on Health and Disease

Juliano Boquett, Sean Yu-Tseng Li, Karoline Guthrie, Martin Maier, Jill A. Hollenbach

O|6 An overview of HLA diversity in ancient Europe

Onur Özer, Nicolas Antonio da Silva, Magdalena Haller, Joanna H. Bonczarowska, Daniel Kolbe, Almut Nebel, Ben Krause-Kyora

O|7 Discovering rules governing the restriction of T cell receptor alpha chains to human leukocyte antigen alleles using co-occurrence analysis

Aya Mahdy, Hesham Elabd, Andre Franke

O|8 HLA-B leader peptide dimorphism affects kidney transplant outcome

Emma Peereboom, Jip Jonker, Kirsten Geneugelijk, Arjan van Zuilen, Jan-Stephan Sanders, Stephan Bakker, Eric Spierings

10:30–11:00

Coffee Break

11:00–12:30

Plenary Session V: The helping hand of Artificial Intelligence

Panorama Hall

Chairs: Eric Spierings, Ilias Doxiadis

Clonal Modeling

Andrea Sottoriva

Interfacing HLA immunogenetics with clinical tumor-rejecting immunity via artificial intelligence

Abhishek D Garg

Recombination dynamics in T and B cells and artificial thymic organoids

Chenqu Suo

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12:30–13:30

Closing Ceremony

Jon Van Rood award & Best abstracts award

Best poster award

Closing Lecture

Jakub Vícha: The Most Energetic Cosmic Particles

19th IHIW presentation

Welcome to Edinburgh and final remarks

Panorama Hall