Thursday, 14 March

\textbf{07:30-20:00} \hspace{1em} \textbf{EWIC REGISTRATION} (Registration Desk – mezzanine)

\textbf{09:00-15:00}

\textbf{Speaker}

\textbf{Robert Liwski, MD, PhD, FRCPC}
Dalhousie University/Halifax, CA

09:00-09:45 HLA Testing and Kidney allocation in Canada

10:00-11:30 Optimization and Standardization of Flow Cytometry Crossmatch

\underline{11:30-12:30 Lunch}

12:30-13:00 Optimization of HLA antibody testing by Single Antigen Bead assay

13:00-13:45 Technical challenges with HLA antibody testing

14:00-15:00 The usefulness of Epitope Analysis when interpreting HLA antibody test results
Thursday, 14 March

**Day 1**

17:00-19:00 **OFFICIAL OPENING**
Chairs: Renata Zunec, Antonij Slavcev, Gottfried Fischer

**OPENING LECTURES**
Mirela Busic (Zagreb, HR)
CROATIAN TRANSPLANTATION MODEL

Jasna Brezak (Zagreb, HR)
TRANSPLANTATION PROGRAM AT UHC ZAGREB – PAST, PRESENT, FUTURE

**PLENARY LECTURE**
Francesca Poli (Milan, IT)
HISTORY OF HLA

19:00-22:00 **Welcome Cocktail**  (Restaurant in hotel Panorama, ground floor)

Friday, 15 March

**Day 2**

07:30-21:00 **REGISTRATION** (Registration Desk – mezzanine)

09:00-10:15 **SOLID ORGAN TRANSPLANTATION (I)**
Chairs: Caner Susal, Sebastiaan Heidt, Gottfried Fischer

Zeljko Kastelan (Zagreb, HR)
NON-IMMUNOLOGICAL PROBLEMS IN KIDNEY TRANSPLANTATION

Mladen Knetek (Zagreb, HR)
CLINICAL DECISION MAKING IN HIGHLY SENSITISED PATIENTS

Caner Susal (Heidelberg, DE)
CTS AND RECENT DATA ON POST-TRANSPLANT MONITORING

10:15-10:45 **Coffee**

**POSTER VIEWING – GROUP 1 & GROUP 2**  *(see table below)*
10:45-12:15  **HEMATOPOIETIC STEM CELL TRANSPLANTATION (I)**  
Chairs: Zorana Grubic, Steven Marsh, Milena Vrana

Steven Marsh (London, UK)  
IMPACT OF THIRD GENERATION HLA SEQUENCING ON HAEMATOPOIETIC STEM CELL TRANSPLANT OUTCOMES IN A UK COHORT  
Ann-Margaret Little (Glasgow, UK)  
HLA ANTIBODIES IN HAEMATOPOIETIC STEM CELL TRANSPLANTATION  
Daniel Mathow (Freiburg, DE)  
NGS DATA - REVEALING THE UNKNOWN. ABOUT LONG & SHORT READS, MULTIPLE PATTERNS

12:30-13:15  **OMIXON LUNCH SYMPOSIUM**  
Mette Christiansen (Aarhus, DK)  
SOT DONOR SELECTION GUIDED BY NGS HIGH RESOLUTION TYPING IN COMBINATION WITH PIRCHE  
**lunchboxes will be prepared in the Atrium before the Symposium**

13:45-15:00  **SOLID ORGAN TRANSPLANTATION (II)**  
Chairs: Robert Liwski, Antonij Slavcev, Natasa Katalinic

Sebastiaan Heidt (Leiden, NL)  
NOVEL METHODS TO DETECT HLA-SPECIFIC B CELL MEMORY  
Robert Liwski (Halifax, CA)  
RAPID AND OPTIMIZED FLOW CROSSTMATCH ASSAY: HALIFAX/HALIFASTER PROTOCOLS  
Sabine Wenda (Vienna, AT)  
THE ROLE OF LABORATORY IN KIDNEY PAIRED EXCHANGE PROGRAMME  
Aniko Szilvasi (Budapest, HU)  
KIDNEY TRANSPLANTATION IN HUNGARY

15:00-15:30  **Coffee**

**POSTER VIEWING – GROUP 3 & GROUP 4  (see table below)**

*LinkSeq™ - easy Real-Time PCR Genotyping, Speaker: Gregory Werner  
Location: OneLambda/Biomedica Booth*

15:30-16:45  **HEMATOPOIETIC STEM CELL TRANSPLANTATION (II)**  
*In memory of Zuzana Ambruzova*  
Chairs: Frantisek Mrazek, Ann-Margaret Little, Ingrid Fae

Radovan Vrhovac (Zagreb, HR)  
HAEMATOPOIETIC STEM CELL TRANSPLANTATION PROGRAMME IN CROATIA – RESULTS AND STRATEGIES  
Blanka Vidan Jeras (Ljubljana, SI)  
MORE THAN 25 YEARS OF "SLOVENIA DONOR"
Frantisek Mrazek (Olomouc, CZ)
SELECTED IMMUNOLOGICAL PREDICTORS OF GVHD AND GVL IN ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANTATION

Milena Vrana (Prague, CZ)
HAPLOIDENTICAL STEM CELL TRANSPLANTATION – SINGLE CENTRE EXPERIENCE

Friday, 15 March

16:45-18:00  ABSTRACT PRESENTATIONS (I)  **Designated presentation time is max 8 minutes / max 10 slides
Chairs: Renata Zunec, Irina Pavlova, Fatma Savran Oguz

Antonij Slavcev, Veronika Budska, Matthias Niemann, Barbora Kovandova, Katerina Kabrtova, Sarka Valhova, Matej Roder, Janka Slatinska, Ondrej Vikicky (Prague, CZ)
PIRCHE EPITOPE MATCHING IN LIVER AND HEART TRANSPLANTATION – A SINGLE CENTER STUDY

Sedat Karadeniz, Cinar Cigdem Kekik, Suleyman Rustu Oguz, Fatma Savran Oguz, Kemal Yelekci (Istanbul, TR)
CAN PREDICTED T-CELL/B-CELL EPITOPES AND MOST POSSIBLE SELECTIVE ANTIGEN RECOGNIZED BY HLA ANTIBODIES USING IMMUNOINFORMATIC METHODS HELP FOR BETTER DONOR MATCH?

Ksenija Vučur, Zeljka Jurekovic, Bojana Maksimovic, Stela Bulimbasic, Danica Galesic Ljubanovic, Renata Zunec, Duska Dragun, Mladen Knotek (Zagreb, HR)
LONG-TERM OUTCOME OF KIDNEY TRANSPLANT REJECTION WITH MICROVASCULAR INJURY

Zorana Andric, Barbara Jovanovic, Glorija Blagojevic, Ruzica Simonovic (Belgrade, RS)
INFLUENCE OF INFREQUENT HLA ALLELES AS PREDICTIVE VALUE TO FIND A MATCHED UNRELATED HEMATOPOIETIC STEM CELL DONOR - EXPERIENCE OF THE SERBIAN BONE MARROW DONOR REGISTRY

Zorana Grubic, Katarina Stingl Jankovic, Marija Burek Kamenaric, Nika Kalogjera, Mirta Mikulic, Branka Golubic-Cepulic, Radovan Vrhovac, Nadira Durakovic, Renata Zunec (Zagreb, HR)
CROATIAN HSCT PROGRAM – HLA TYPING OVERVIEW

Evgeny Leonov, Ekaterina Khamaganova, Elena Kuzminova, Alyona Abdrahimova, Tatiana Gaponova (Moscow, RU)
HLA GENES AND HAPLOTYPES IN THE RUSSIANS AND THE BURYATS OF TRANSBAIKAL TERRITORY

Joanna Wielińska, Katerina Tarassi, Milena Iwaszkó, Katarzyna Koscinska, Barbara Wysoczanska, Evangelia Mole, Vasiliki Kitsiou, Jerzy Swierkot, Katarzyna Kolossa, Alexandra Tsiogianni, Katarzyna Bogunia-Kubik (Wroclaw, PL)
SHARED EPITOPE AND POLYMORPHISM OF MICA AND NKG2D ENCODING GENES IN GREEK AND POLISH PATIENTS WITH RHEUMATOID ARTHRITIS

20:00-23:00  Conference dinner (restaurant in hotel Panorama, ground floor)
Saturday, 16 March

08:00-18:00 REGISTRATION

07:00-08:00 TULIP RUN (by GenDx – registration at GenDx booth)

09:00-10:00 POPULATION GENETICS
Chairs: Alicia Sanchez-Mazas, Martin Petrek, Blanka Vidan Jeras

Alicia Sanchez-Mazas (Geneva, CH)
HLA POLYMORPHISM - WHAT CAN WE LEARN ABOUT THE EVOLUTION OF POPULATIONS

Zorana Grubic (Zagreb, HR)
DISTRIBUTION OF HLA ALLELES AND HAPLOTYPES ACROSS CROATIA – SIMILARITIES AND DIFFERENCES

Irina Pavlova (St. Petersburg, RU)
DISTRIBUTION OF HLA HAPLOTYPES IN RUSSIAN POPULATION FROM DIFFERENT REGIONS

10:00-10:30 Coffee
LinkSeq™ - easy Real-Time PCR Genotyping, Speaker: Gregory Werner
Location: OneLambda/Biomedica Booth

10:30-11:30 HLA AND DISEASE
Chairs: Luca Mascaretti, Brigitte Flesch, Sabine Wenda

Brigitte Flesch (Bad Kreuznach, DE)
TRALI AND LEUKOCYTE ANTIBODIES

Luca Mascaretti (Trieste, IT)
THE ROLE OF HLA TYPING IN RHEUMATIC DISEASES

Martin Petrek (Olomouc, CZ)
HLA AND SARCOIDOSIS

11:30-12:30 ABSTRACT PRESENTATIONS (II)
**Designated presentation time is max 8 minutes / max 10 slides
Chairs: Sebastiaan Heidt, Zorana Andric, Ivana Kovacevic Vojtusek

Ingrid Fae, Sabine Wenda, Roman Reindl-Schwaighofer, Gottfried Fischer (Vienna, AT)
THE INCIDENCE OF HLA-DP SPECIFIC DSA IS DEPENDENT ON HLA-DP EXPRESSION LEVELS

Daniela Koren, Ingrid Fae, Sabine Wenda, Gottfried Fischer (Vienna, AT)
PLAUSIBLE’ HLA SPECIFIC ANTIBODIES CAN BE TRIGGERED BY IMMUNISATION WITH DIFFERENT HLA ANTIGENS

Helena Car, Frans HJ Claas, Gonca E Karahan, Sebastiaan Heidt, Dave L Roelen, Cynthia SM Kramer (Leiden, NL)
DETECTION OF IgA HLA ANTIBODIES USING A BEAD-BASED LUMINEX SCREENING ASSAY
Biserka Palfi, Natalija Martinez, Marija Maskalan, Mirica Batarelo, Davorka Galenic, Kristina Kopic, Magdalena Svetec, Zorana Grubic, Renata Zunec (Zagreb, HR)

**COMPARISON OF VIRTUAL CROSMatch AND PHYSICAL CROSMatch IN CADAVERIC KIDNEY TRANSPLANTATION – SINGLE CENTER EXPERIENCE**

Ivana Kovacevic Vojtusek, Marija Burek Kamenaric, Vanja Ivkovic, Stela Bulimbasic, Ivana Marekovic, Marijana Coric, Zrinka Bosnjak, Zorana Grubic, Renata Zunec (Zagreb, HR)

**HLA-C AND KIR HLA-LIGANDS ASSOCIATION WITH THE LIKELIHOOD OF BK VIRUS NEPHROPATHY IN KIDNEY TRANSPLANT PATIENTS**

Jacek Nowak, Elzbieta Graczyk-Pol, Slawomir Gwozdowicz, Renata Mika-Witkowska, Marta Rogatko-Koros, Klaudia Nestorowicz, Urszula Szelendak, Daria Pawliczak, Marta Zubala, Agnieszka Malinowska (Warsaw, PL)

**EBV INFECTIONS ARE STRONGLY DEPENDENT ON ACTIVATING AND INHIBITORY KIR-HLA PAIRS AFTER T CELL REPLATE UNRELATED HEMATOPOIETIC STEM CELL TRANSPLANTATION**

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12:30-13:30  Lunch (restaurant in hotel Panorama, ground floor)

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13:30-14:30  EFI AFFAIRS

1. ROUND TABLE DISCUSSION: EFI ACCREDITATION

**Moderator:** Gottfried Fischer

**Participants:** Blanka Vidan Jeras, Commissioner Region 5A (Central and East Europe)
Ingrid Fae, Commissioner Region 5B (Central and East Europe)
Luca Mascaretti, Commissioner Region 7B (Italy)
Ann-Margaret Little, Commissioner Region 3A (Ireland and UK)

2. EXTERNAL PROFICIENCY TESTING REPORTS

**Gottfried Fischer** (Vienna, AT)
THE RESULTS OF CET - EPT EXCERCISE IN 2018

**Katarzyna Bogunia-Kubik** (Wroclaw, PL)
HLA PROFICIENCY TESTING FOR CENTRAL AND EAST EUROPE IN 2018-TWO DECADES OF ACTIVITY

**Milena Vrana** (Prague, CZ)
EPT FOR DETECTION OF HLA ALLELES ASSOCIATED WITH DISEASES IN 2018

**Hana Cechova** (Prague, CZ)
EPT FOR CELL CHIMERISM ANALYSIS IN 2018

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14:30-14:45  BEST ABSTRACT AWARD

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CLOSURE
**Poster Presentations:**

**FRIDAY, 10:15-10:45 Group 1**

**Chairs: Katarzyna Bogunia-Kubik, Esma Cecuk Jelicic, Monica Dutescu**

**P1**
Atifete Ramosaj-Morina, Marija Burek Kamenaric, Mehmedali Azemi, Lidvana Spahiu, Zorana Grubic, Renata Zunec (Prishtina, XK)
**HLA-A~B~DRB1~DQA1~DQB1 HAPLOTYPE ASSOCIATION WITH CELIAC DISEASE IN THE ALBANIAN PEDIATRIC PATIENTS FROM KOSOVO**

**P2**
Alexandra L Burmistrova, Mikhail N Vavilov, Elena B Khromova, Tatiana A Suslova (Chelyabinsk, RU)
**HLA-DPB1 GENE IN RUSSIANS FROM CHELYABINSK REGION**

**P3**
Yeliz Ogret, Sedat Karadeniz, Rustu Oguz, Fatma Savran Oguz (Istanbul, TR)
**THE RARE HLA ALLELES IN TURKISH POPULATION**

**P4**
Jana Neupauerova, Milena Vrana, Eva Ratajova, Sara Nazarova (Prague, CZ)
**RARE AND UNIQUE HLA ALLELES DETECTED IN THE HLA DEPARTMENT**

**P5**
Saska Marczi, Mirjana Suver Stevic, Marina Ferenac Kis, Andelka Bugarin, Tea Mirosevic Zubonja, Marina Samardzija (Osijek, HR)
**HLA-DRB1 AND HLA-DQB1 IN MULTIPLE SCLEROSIS PATIENTS FROM EAST CROATIA**

**FRIDAY, 10:15-10:45 Group 2**

**Chairs: Aniko Szilvasi, Saska Marczi, Jacek Nowak**

**P6**
Iwona Wojciechowska-Koszko, Ewa Nadgrodkiewicz, Aleksandra Jeckowska, Barbara Krasnodebska-Szponder, Barbara Dolegowska (Szczecin, PL)
**EVALUATION OF ANTI-HLA ANTIBODIES LEVEL IN POTENTIAL KIDNEY RECIPIENTS WITH APPLICATION OF CDC TEST AND LUMINEX X-MAP METHODS**

**P7**
Meltem Savran Karadeniz, Hayriye Ciftci, Tefik Tzevat, Filiz Aydin, Fatma Savran Oguz, Kamil Mehmet Tugrul (Istanbul, TR)
**EFFECTS OF DIFFERENT VOLATILE ANESTHETICS ON IFN-γ AND TGF - β1 RELEASE IN LIVING RENAL TRANSPLANT RECIPIENTS**
**P8**
Aida Franic, Natasa Katalinic, Marijana Duhovic, Ines Simac Susanj, Tamara Milojevic, Sandra Sever Susnjar, Sanja Balen (Rijeka, HR)
**THE IMPACT OF RECIPIENT GENDER ON HLA ALLOIMMUNIZATION BEFORE KIDNEY TRANSPLANTATION**

**P9**
Iwona Wojciechowska-Koszko, Barbara Krasnodebska-Szponder, Iwona Rawicka, Karolina Rogulska, Barbara Dolegowska (Szczecin, PL)
**OCCURRENCE OF AUTO- AND ALLOANTIBODIES IN WOMEN WITH MISCARRIAGES**

**P10**
Maciej Zielinski, Hanna Zielinska, Agnieszka Tarasewicz, Magdalena Jankowska, Justyna Sakowska, Grazyna Moszkowska, Alicja Debska-Sliżien, Bolesław Rutkowski, Piotr Trzonkowski (Gdansk, PL)
**IMMUNOLOGICAL LANDSCAPE OF HUMORAL IMMUNITY IN KIDNEY TRANSPLANT RECIPIENTS**

**P11**
Marija Burek Kamenaric, Julijana Kljajic, Sanja Salamunovic, Danijela Svilicic, Danijela Clekovic, Katarina Stingl Jankovic, Marija Maskalan, Zorana Grubic, Renata Zunec (Zagreb, HR)
**IMPACT OF HLA ANTIGEN DISTRIBUTION AMONG CADAVERIC DONORS ON KIDNEY GRAFT ALLOCATION**

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**FRIDAY, 15:00- 15:30 Group 3**

**Chairs: Aleksandar Petlichkovski, Marija Burek Kamenaric, Evgeny Leonov**

**P12**
Jacek Nowak, Sławomir Gwozdowicz, Elżbieta Graczyk-Pol, Klaudia Nestorowicz, Renata Mika-Witkowska, Marta Rogatko-Koros, Daria Pawlicka, Marta Zubala, Kazimierz Halaburda, Michał Wojcik (Warsaw, PL)
**PRINCIPLES AND METHOD OF PAIRING ANALYSIS AT THE LEVEL OF FUNCTIONAL PAIRS OF INHIBITORY KIRS WITH COGNATE HLA IN HAPLOIDENTICAL HSCT**

**P13**
Michał Kloss, Marek Sawula, Katarzyna Siewiera, Monika Sankowska, Leszek Kauc (Warsaw, PL)
**PRINCIPLES AND PRACTICES OF UNRELATED BONE MARROW DONOR SELECTION IN POLAND IN YEAR 2018**

**P14**
Maria Loginova, Natalia Malysheva, Natalia Minaeva, Igor Paramonov (Kirov, RU)
**ASSESSMENT OF THE EFFICIENCY OF THE ACTIVITY OF THE BONE MARROW DONOR REGISTRY**

**P15**
Katarina Stingl Jankovic, Marija Maskalan, Marija Burek Kamenaric, Renata Zunec, Nadira Durakovic, Ranka Serventi-Seierwerth, Radovan Vrhovac, Zorana Grubic (Zagreb, HR)
**QUANTITATIVE PCR TECHNOLOGY IN CHIMERICISM MONITORING AFTER HSCT - ONE CENTRE EXPERIENCE**
P16
Meri Kirijas, Boban Dobrevski, Olivija Efinska Mladenovska, Olgica Sibinovska, Teodora Brnjarchevska, Aleksandar Petlichkovski (Skopje, MK)
OUR EXPERIENCE WITH NGS HLA TYPING

P17
Lucie Pavlatova, Pavla Hrabakova, Renata Prerovska, Bara Cizkova, Katerina Hruba, Martina Stanko, Dagmar Brezina, Hana Cechova (Prague, CZ)
THE IMPORTANCE OF USING SENSITIVE METHODS FOR CELL CHIMERISM MONITORING

FRIDAY, 15:00-15:30 Group 4

Chairs: Ingrid Fae, Tatiana Suslova, Natalija Martinez

P18
Anita Primorac Maric, Danijel Nedic, Marija Cuk, Jadranka Knezevic (Mostar, BIH)
FREQUENCY OF HLA-B*27, HLA-DRB1*01, HLA-DRB1*04, HLA-DRB1*10 ALLELES IN PATIENTS AT THE UNIVERSITY CLINICAL HOSPITAL MOSTAR – ONE YEAR STUDY

P19
Sonja Jaman, Esma Cecuk-Jelicic, Dolores Biocina-Lukenda, Matea Tarabene, Jela Mratinovic-Mikulandra (Split, HR)
ASSOCIATION OF HLA-DRB1 ALLELES WITH ORAL LICHEN PLANUS (OLP) IN SOUTHERN CROATIA REGION

P20
Suleyman Rustu Oguz, Hayriye Senturk Ciftci, Yeliz Ogret, Sedat Karadeniz, Sacide Pehlivani, Muge Gokce, Serap Kahraman, Zeynep Karakas (Istanbul, TR)
INVESTIGATION OF THE ROLE OF HLA-DR ALLELES AND MBL2 GENE VARIANT IN THE ETIOPATOGENESIS OF CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA

P21
Boban Dobrevski, Meri Kirijas, Olivija Efinska Mladenovska, Olgica Sibinovska, Teodora Brnjarchevska, Aleksandar Petlichkovski (Skopje, MK)
HLA-B TYPING IN HIV POSITIVE PATIENTS IN REPUBLIC OF MACEDONIA: SINGLE CENTER EXPERIENCE

P22
Marta Dratwa, Piotr Lacina, Katarzyna Gebura, Monika Chaszczewska-Markowska, Tomasz Wrobel, Aleksandra Butrym, Grzegorz Mazur, Monika Kosacka, Barbara Wysoczanska, Katarzyna Bogunia-Kubik (Wroclaw, PL)
SINGLE NUCLEOTIDE POLYMORPHISMS WITHIN THE TERT GENE – COMPARISON BETWEEN PATIENTS WITH VARIOUS MALIGNANCIES AND HEALTHY CONTROLS

P23
Damir Dittrich, Marija Maskalan, Zeljko Kastelan, Renata Zunec, Zorana Grubic, (Sl.Brod, HR)
HLA-A, -B, AND -DRB1 ALLELES AND HAPLOTYPES AND THE RISK OF ENDEMIC NEPHROPATHY IN CROATIANS