Monday, October 1, 2018

Registration Open  
Room: Harborside Registration Desk  
11:00 am – 8:30 pm

Inspectors Training Workshop  
Room: Harborside D/E  
1:00 pm – 4:30 pm

Pre-Meeting Symposium: There is No ‘I’ in HLA: Skills for Leadership and Team Building  
Room: Harborside A/B  
Moderator: Kevin Chesterton, Johns Hopkins University, Baltimore, MD, USA

1:00 pm – 3:00 pm  
Leadership and Team Building  
Christopher Myers, PhD  
Johns Hopkins University  
Baltimore, MD, USA

3:00 pm – 3:30 pm  
Coffee Break

3:30 pm – 5:00 pm  
HLA Leader Discussion Panel  
Walter Herczyk, BS, MT (ASCP), CHS(ABHI)  
Gift of Life Michigan  
Ann Arbor, MI, USA  
Cathi Murphey, PhD  
Southwest Immunodiagnostics, Inc.  
San Antonio, TX, USA  
Lori Osowski, MS, CHS(ABHI)  
University of Maryland Medical Center  
Baltimore, MD, USA  
Kathryn Tinckam, MD, MMSc, FRCPC, FAST  
University Health Network, University of Toronto  
Toronto, ON, CAN

6:00 pm – 6:10 pm  
Pro Virtual Crossmatch  
Paul Warner, PhD, D(ABHI)  
Bloodworks Northwest  
Seattle, WA, USA

6:10 pm – 6:20 pm  
Pro Physical Crossmatch  
Annette Jackson, PhD, D(ABHI)  
Johns Hopkins University  
Baltimore, MD, USA

6:20 pm – 6:50 pm  
Shark/Audience Discussion  
Robert Cole, MD, FHFSA  
Emory University  
Atlanta, GA, USA  
Sam Ho, PhD, D(ABHI)  
Gift of Life Michigan  
Ann Arbor, MI, USA  
Robert Montgomery, MD, D.Phil, FACS  
NYU Langone Health  
New York, NY, USA  
Kathryn Tinckam, MD, MMSc, FRCPC, FAST  
University Health Network and University of Toronto  
Toronto, ON, CAN

6:50 pm – 7:00 pm  
Final Shark Debate

Opening Session: “Shark Tank” – Virtual Crossmatch: Blood in the Water  
Room: Harborside Ballroom  
Sharks: Robert Cole, MD, FHFSA, Emory University, Atlanta, GA, USA, Sam Ho, PhD, D(ABHI), Gift of Life Michigan, Ann Arbor, MI, USA, Robert Montgomery, MD, D.Phil, FACS, NYU Langone Health, New York, NY, USA, Kathryn Tinckam, MD, MMSc, FRCPC, FAST, University Health Network and University of Toronto, Toronto, ON, CAN

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Ann Arbor, MI, USA  
Robert Montgomery, MD, D.Phil, FACS  
NYU Langone Health  
New York, NY, USA  
Kathryn Tinckam, MD, MMSc, FRCPC, FAST  
University Health Network and University of Toronto  
Toronto, ON, CAN

First Time Attendees & New Members Reception*  
Room: Waterview Ballroom  
5:00 pm – 6:00 pm  
*By invitation only

Opening Reception with Exhibits Open  
Room: Grand Ballroom  
7:00 pm – 9:00 pm
Tuesday, October 2, 2018

Registration Open
Room: Harborside Registration Desk
7:00 am – 7:00 pm

The Distinguished Service Award, The Outstanding Technologist Award and Rising Star Award
Room: Harborside Ballroom
8:00 am – 8:30 am
Moderators: Patricia Campbell, MBChB, FRCP, University of Alberta Hospital, Edmonton, AB, CAN and John Schmitz, PhD, D(ABHI, ABMLI), UNC at Chapel Hill, Chapel Hill, NC, USA

Distinguished Service: John A. Gerlach, PhD, D(ABHI)
Michigan State University
East Lansing, MI, USA

Outstanding Technologist: Anne Halpin, MSc
University of Alberta
Edmonton, AB, CAN

Rising Star Award: Danielle Christian, BSc, MLT
Calgary Cancer Centre
Edmonton, AB, CAN

Keynote Address
Room: Harborside Ballroom
8:30 am – 9:30 am

The Evolution of Transplantation
Allan D. Kirk, MD, PhD
Duke University and Duke University Health System
Durham, NC, USA

Coffee Break, Exhibit Hall Open
Room: Grand Ballroom
9:30 am – 10:00 am

Symposium I: Novel Desensitization Strategies
Room: Harborside Ballroom
Moderators: Myra Coppage, PhD, HCLD (ABB), University of Rochester, Rochester, NY, USA and Amy Hahn, PhD, D(ABHI), Albany Medical College, Albany, NY, USA

10:00 am – 10:45 am

Streptococcal IgG Degrading Enzyme IdeS: Is it a Game Changer
Robert Montgomery, MD, D.Phil, FACS
NYU Langone Health
New York, NY, USA

Hot Topic: CRISPR Cas9
Room: Harborside Ballroom
Moderator: John Gerlach, PhD, D(ABHI), Michigan State University, East Lansing, MI, USA

11:30 am – 12:20 pm

CRISPR Cas9
John Doench, PHD
Broad Institute
Cambridge, MA, USA

User Group Meetings (Ticketed Sessions)
12:30 pm – 2:20 pm

Steering the Patient Journey: Improved Outcomes Through a Spectrum of Pre- and Post-Transplant Diagnostic Solutions
Room: Harborside A/B
Sponsored by Immucor

Advancing the Pre-to-Post Transplant Continuum
Room: Harborside C
Sponsored by CareDx, Inc.

Advancements in HLA Genotyping
Room: Harborside D/E
Sponsored by One Lambda Inc., a Thermo Fisher Scientific Brand

Scholar Award Abstract Session
Room: Harborside A/B
Moderators: Sallyanne Fossey, PhD, D(ABHI), DCI Inc., Nashville, TN, USA and John Lunz, PhD, D(ABHI), LifeLink Foundation, Tampa, FL, USA

2:30 pm – 2:52 pm

INVISIBLE ORGANS MADE BY GENETIC ENGINEERING TO TURN OFF MHC PRIOR TO ALLOGENIC TRANSPLANTATION PREVENT A PRO-INFLAMMATORY CYTOKINE RESPONSE IN THE RECIPIENT (Abstract #OR1)
Rainer Blasczyk, MD
Hannover Medical School, Institute of Transfusion Medicine
Hannover, Germany

10:45 am – 11:30 am

Shortening the Half-Life of IgG with Anti-Neonatal Fc Receptor Antibody
William Baldwin, MD, PhD,
Lerner Research Institute – Cleveland Clinic
Cleveland, OH, USA
LIGATION OF HLA CLASS II MOLECULES PROMOTES ENDOTHELIAL CELL PERMEABILITY THROUGH ACTIVATED SRC AND ERK SIGNALS (Abstract #OR2)
Fang Li, PhD
UCLA Immunogenetics Center
Los Angeles, CA, USA

DEVELOPMENT OF HLA DE NOVO DONOR SPECIFIC ANTIBODY IS ASSOCIATED WITH PREFORMED NON-HLA AUTOANTIBODIES AND LUNG TRANSPLANTATION REJECTION (Abstract #OR3)
Aiwen Zhang, PhD, D(ABHI)
Allogen Laboratories/Cleveland Clinics
Cleveland, OH, USA

HIGH RESOLUTION HAPLOTYPE ANALYSES OF CLASSICAL HLA GENES IN FAMILIES WITH MULTIPLE SCLEROSIS (Abstract #OR4)
Kazutoyo Osoegawa, PhD, CHT(ABHI)
Stanford Blood Center
Palo Alto, CA, USA

DONOR SPECIFIC ANTIBODY (DSA) ASSESSMENTS USING HLA P GROUPS: THE DEVIL IS IN THE DETAILS (Abstract #OR5)
June Jones, Annette M. Jackson, Donna P. Lucas, Maria Bettinotti
Baltimore, MD

SUCCESSFUL DECEASED DONOR KIDNEY TRANSPLANTATION OF HIGHLY SENSITIZED CANDIDATES ACROSS POSITIVE CROSS MATCH AND STRONG DONOR-SPECIFIC HLA-DR ANTIBODIES WITHOUT DESENSITIZATION (Abstract #OR6)
Raja Rajalingam, David Gae, Zoltan G. Laszik, Kelly J. Cunniffe, John Roberts
San Francisco, CA

HLA EXPRESSION ON T AND B CELLS - COMPARISONS TO INFLAMED ENDOTHELIUM (Abstract #OR7)
Luis Hidalgo
Edmonton, AB, Canada

A NOVEL REACTIVITY PATTERN WITH LABSCREEN™ CLASS I SINGLE ANTIGEN BEADS AND ITS PREVALENCE AMONG SLE PATIENTS (Abstract #OR8)
Christina L. Dean, Robert A. Bray, Howard M. Gebel, Harold C. Sullivan
Atlanta, GA
5:18 pm – 5:30 pm  HLA-C TARGETED CROSSMATCHES ARE SERUM-DEPENDENT, AND TRANSPLANTS WITH STRONG PRE-FORMED DONOR-SPECIFIC HLA-C ANTIBODIES BUT NEGATIVE CROSSMATCHES DO NOT EXPERIENCE ANTIBODY-MEDIATED REJECTION (Abstract #OR9)
Kelly Cunniffe, Ahrles Cajulao, Jack Lai, Raja Rajalingam. San Francisco, CA.

4:42 pm – 4:54 pm  IDENTIFICATION AND CHARACTERIZATION OF A PANEL OF NON-HLA ANTIBODIES IN KIDNEY ALLOGRAFT REJECTION (Abstract #OR13)
Carrie L. Butler, Michelle J. Hickey, David W. Gjerston, Meghan Pearl, Maura Rossetti, J. Michael Cecka, Fadi Kandarian, Gemalene Sunga, Qiuheng Zhang, Bryan L. Ray, Elaine F. Reed. Los Angeles, CA.

5:30 pm – 5:42 pm  DATA-DRIVEN MODELING OF FLOW CYTOMETRIC CROSSMATCH: ENHANCED VIRTUAL CROSSMATCHING (Abstract #OR10)
Eric T. Weimer, Katherine A. Newhall. Chapel Hill, NC.

4:54 pm – 5:06 pm  RELEVANCE OF MICA-129 DIMORPHISM IN LIVE DONOR RENAL TRANSPLANTATION (Abstract #OR14)

5:42 pm – 5:54 pm  CHARACTERISTICS OF TRANSPLANT CANDIDATES WITH CPRA ≥ 99.95% LIKELY TO BE ALLOCATED ORGANS FROM DECEASED DONORS. (Abstract #OR11)
Ronald Parsons, Hannah Decker, Rachel Patzer, Shalini Bumb, Harold C. Sullivan, Robert A. Bray, Howard M. Gebel. Atlanta, GA.

4:42 pm – 4:54 pm  IDENTIFICATION AND CHARACTERIZATION OF A PANEL OF NON-HLA ANTIBODIES IN KIDNEY ALLOGRAFT REJECTION (Abstract #OR13)
Carrie L. Butler, Michelle J. Hickey, David W. Gjerston, Meghan Pearl, Maura Rossetti, J. Michael Cecka, Fadi Kandarian, Gemalene Sunga, Qiuheng Zhang, Bryan L. Ray, Elaine F. Reed. Los Angeles, CA.

5:06 pm – 5:18 pm  PROGRESSIVE CHRONIC TISSUE INJURY WITHOUT ACTIVE PATHOLOGICAL CHANGES IS THE HISTOLOGICAL HALMARK OF DE NOVO CLASS II DSA (Abstract #OR15)
Pouneh Dokouhaki, Elly Johnson, Qingyong Xu. Saskatoon, SK, Canada.

5:18 pm – 5:30 pm  HLA EPITOPE-MISMATCH MORE PRECISELY PREDICTS THE DEVELOPMENT OF DE NOVO DONOR SPECIFIC ANTIBODY AND ACUTE CELLULAR REJECTION AFTER LUNG TRANSPLANT (Abstract #OR16)
Aiwen Zhang, Nathan Stopczynski, Dawn Thomas, Yuchu Sun, John McMichael, Paul Kawczak, Jeffrey Allen, Marie Budev, Robert A. Bray, Howard Gebel. Cleveland, OH.
**EPITOPE LOAD DOES NOT PREDICT DEVELOPMENT OF DE NOVO ANTIBODIES TO HLA IN PATIENTS WITH BK VIRUS NEPHROPATHY**  
(Abstract #OR17)  

**COMPOSITE IMPACT OF CO-LIGATION OF HLA-I AND HLA-II ANTIBODY-MEDIATED ACTIVATION OF HUMAN AORTIC ENDOTHELIAL CELLS**  
(Abstract #OR18)  
Yi-Ping Jin, Elaine F. Reed. Los Angeles, CA.

**Workshop II: Do It Yourself: Be The Match’s Toolbox**  
Room: Harborside D/E  
Moderators: Maria Bettinotti, PhD, D(ABHI), FACMG, Johns Hopkins University, Baltimore, MD, USA and Marcelo Fernandez-Vina, PhD, D(ABHI), Stanford University, Palo Alto, CA, USA

**4:30 pm – 6:00 PM**  
Janelle Olson, PhD, CHTC  
NMDP/Be The Match  
Minneapolis, MN, USA  
Yung-Tsi Bolon, PhD  
Center for International Blood and Marrow Transplant Research  
Minneapolis, MN, USA

**Poster Reception with Exhibits**  
Room: Grand Ballroom  
6:00 pm – 7:45 pm

**ARB Inspectors & International Reception***  
Room: Waterview Ballroom  
7:00 pm – 9:00 pm  
*By invitation only

**Wednesday, October 3, 2018**

**The Tulip Run: 5K Run/1 Mile Walk**  
Offsite: Patterson Park  
6:30 am – 8:00 am

**Registration Open**  
Room: Harborside Registration Desk  
8:00 am – 6:00 pm

**Scientific Award Presentation: Rose Payne Award**  
Room: Harborside Ballroom  
8:30 am – 9:30 am  
Moderator: Michael Gautreau, PhD, D(ABHI), Wake Forest School of Medicine, Winston-Salem, NC, USA  
Changing the Dogmas in Histocompatibility and Transplantation  
Thalachallour Mohanakumar, PhD, D(ABHI), HCLD/CC (ABB)  
Norton Thoracic Institute Research Laboratory  
Phoenix, AZ, USA

**Coffee Break, Exhibit Hall Open**  
Room: Grand Ballroom  
9:30 am – 10:00 am

**Symposium II: HCT as Immunotherapy: Garnering the Power of Natural Killer Cells**  
Room: Harborside Ballroom  
Moderators: Maria Bettinotti, PhD, D(ABHI), FACMG, Johns Hopkins University, Baltimore, MD, USA and Mary Carrington, MS, PhD, Frederick National Laboratory for Cancer Research, Frederick, MD, USA

**10:00 am – 10:15 am**  
Introduction on NK – KIR-HLA  
Mary Carrington, MS, PhD  
Frederick National Laboratory for Cancer Research  
Frederick, MD, USA

**10:15 am – 10:45 am**  
HCT Donor Selection: The Minneapolis Way  
Sarah Cooley, MD, MS  
University of Minnesota  
Minneapolis, MN, USA

**10:45 am – 11:30 am**  
HCT Donor Selection: The New York Way  
Katherine Hsu, MD, PhD  
Memorial Sloan Kettering Cancer Center  
New York, NY, USA
Hot Topic: The Challenges of Car-T Therapy
Room: Harborside Ballroom
Moderators: Peter Lalli, PhD, D(ABHI), Carolinas Pathology
Group, Charlotte, NC, USA and Eric Weimer, PhD, UNC
Chapel Hill, Chapel Hill, NC, USA
11:30 am – 12:20 pm
The Challenges of Car-T Therapy
Joseph Fraietta, PhD
University of Pennsylvania
Philadelphia, PA, USA

User Group Meetings (Ticketed Sessions)
12:30 pm – 2:20 pm
Listen and Learn over Lunch: Engage with industry experts to enrich your clinical insights
Room: Harborside A/B
Sponsored by BD Biosciences
Improvements in Transplant Diagnostics. What's next? A Closer Look at Chimerism Monitoring and NGS HLA Typing
Room: Harborside C
Sponsored by GenDx
Managing Antibody Mediated Rejection
Room: Harborside D/E
Sponsored by One Lambda Inc., a Thermo Fisher Scientific Brand

Abstract Session III: Genetic Polymorphism & Anthropology Disease
Room: Harborside A/B
Moderators: Eric Weimer, PhD, UNC Chapel Hill, Chapel Hill, NC, USA and Carley Shaut, PhD, D(ABHI), Oregon Health & Science University, Portland, OR, USA
2:30 pm – 2:42 pm
INTEGRATE CRISPR/CAS9 FOR PRECISE PROTEIN EXPRESSION OF HLA-B*38:68Q (Abstract #OR19)
Yuxin Yin, Elaine F. Reed, Qiuheng Zhang. Los Angeles, CA.

2:42 pm – 2:54 pm
INVESTIGATING THE MICRORNA PROFILE OF B CELL LINES FOR THEIR DIFFERENTIAL EFFECT ON HAPLOTYPE SPECIFIC DPB1 GENE EXPRESSION (Abstract #OR20)
3:30 pm – 3:42 pm
HLA ALLELE AND HAPLOTYPE FREQUENCIES CHARACTERIZED USING NEXT-GENERATION SEQUENCING METHODS IN UNRELATED WORLD-WIDE POPULATIONS: SUMMARY FROM THE 17th INTERNATIONAL HLA AND IMMUNOGENETICS WORKSHOP (Abstract #OR24)

3:42 pm – 3:54 pm
THE HIGHLY POLYMORPHIC HLA-DRA GENE: CONSERVED AND DIVERSE REGIONS WITHIN THE HLA-DRA GENE IMPLY HAPLOTYPES OF DRA~DRB3/4/5~DRB1~DQB1 (Abstract #OR25)

2:30 pm – 2:42 pm
INVESTIGATING THE IMPACT OF PATIENT’S NON-SHARED HLA-C ALLOTYPE EXPRESSION LEVELS IN A 9/10 SINGLE HLA-C MISMATCHED HEMATOPOIETIC STEM CELL TRANSPLANTATION SETTING USING TWO DIFFERENT HLA-C EXPRESSION PROXY MODELS (Abstract #OR26)
Chrysanthi Tsamadou, Daniel Fürst, Markus Rojewski, Dietger Niederwieser, Donald Bunjes, Christine Neuchel, Martin Gramatzki, Renate Arnold, Eva Wagner, Hermann Einsele, Sixten Körper, Hubert Schrezenmeier, Joannis Mytilineos. Ulm, Germany.

2:42 pm – 2:54 pm
NOVEL NEXT GENERATION SEQUENCING BASED CHIMERICISM ASSAY FOR ENGRAFTMENT MONITORING IN HEMATOPOIETIC CELL TRANSPLANTATION (Abstract #OR27)
Medhat Z. Askar, Amanda Willis, Jenifer D. Williams, Leah Pittmon, Shalini E. Pereira, Anajane G. Smith, Chulwoo Pyo, Wyatt Nelson, Daniel E. Geraghty. Dallas, TX.

3:06 pm – 3:18 pm
HIGHER PERCENT RECIPIENT CHIMERICISM IN BONE MARROW THAN PERIPHERAL BLOOD IS RISK FOR RELAPSE (Abstract #OR29)

3:30 pm – 3:42 pm
HLA EXPRESSION ON CD34+ STEM CELLS: IS A FLOW CYTOMETRIC CROSSMATCH A GOOD GATEKEEPER FOR MISMATCHED HEMATOPOIETIC CELL TRANSPLANTATION? (Abstract #OR30)
Maria P. Bettinotti, Donna P. Lucas, Gabriel Ghiaur, Annette M. Jackson, Douglas E. Gladstone. Baltimore, MD.
CHARACTERIZATION OF THE CCR5 DELTA 32 MUTATION BY RACE IN UNRELATED DONORS LISTED ON THE NATIONAL MARROW DONOR PROGRAM’S BE THE MATCH REGISTRY (Abstract #OR31)
Miranda Bauer, Cynthia Vierra-Green, Elizabeth Beduhn, Stephen R. Spellman, Jason Dehn.
Minneapolis, MN.

Workshop III: Uh Oh…What Do I Do Now? Stories of HLA: The Good, The Bad and The Ugly
Room: Harborside D/E
Moderator: Sharon Adams, MT(ASCP), CHS (ABHI), National Institutes of Health, Bethesda, MD, USA and Paul Warner, PhD, D(ABHI), Bloodworks Northwest, Seattle, WA, USA

Panelist Discussion
Jana Osbey, CHS(ABHI)
Houston Methodist Hospital
Houston, TX, USA

David Partlow, MS, MBA, CHS, MT
The University of Texas MD Anderson Cancer Center
Houston, TX, USA

Sandra Resto-Ruiz, PhD, HCLD/CC
LifeLink Transplantation Immunology Laboratory
Tampa, FL, USA

Phillip Ruiz, MD, PhD
University of Miami
Miami, FL, USA

Workshop IV: ARB/QAS/PT Update
Room: Laurel
Moderators: Walter Herczyk, BS, MT(ASCP), CH (ABHI), Gift of Life Michigan, Ann Arbor, MI, USA and Taba Kheradmand, PhD, Midwest Transplant Network, Westwood, KS, USA

Accreditation Review Board Update
Zahra Kashi, PhD
Kashi Clinical Labs
Portland, OR, USA

Proficiency Testing Update
Kelley Hitchman, MS, PhD, D(ABHI)
UT Health San Antonio
San Antonio, TX, USA

3:30 pm – 4:00 pm
Quality Assurance Standards Update
Matthew Cusick, PhD, D(ABHI)
Baylor College of Medicine
Houston, TX, USA

Coffee Break with Exhibits
Room: Grand Ballroom
4:00 pm – 4:30 pm

Joint Session: Directors’ & Technologists’ Forum
Room: Harborside A/B/C
4:30 pm – 4:45 pm
Call Options – Strategies/Structure
4:45 pm – 5:00 pm
Career Options/Ladder Within Labs
5:00 pm – 5:15 pm
Discussion

Director’s Affairs Forum
Room: Harborside D/E
5:15 pm – 6:00 pm

Technologists’ Affairs Forum
Room: Harborside A/B/C
5:15 pm – 6:00 pm

Thursday, October 4, 2018

Registration Open
Room: Harborside Registration Desk
7:30 am - 5:00 pm

The Paul I. Terasaki Clinical Science Award and Distinguished Scientist Award
Room: Harborside Ballroom
8:00 am – 9:30 am
Moderators: Michael Gautreaux, PhD, D(ABHI), Wake Forest School of Medicine, Winston-Salem, NC, USA and John Schmitz, PhD, D(ABHI, ABMLI), UNC at Chapel Hill, Chapel Hill, NC, USA

Paul I. Terasaki Award:
Jon A. Kobashigawa, MD
Cedars-Sinai Heart Institute

Distinguished Scientist:
In the blink of an eye.
My 40 years in HLA
Howard M. Gebel, PhD, D(ABHI)
Emory University School of Medicine
Atlanta, GA, USA
### Symposium III: Non-Invasive Monitoring/Bio-Markers

**Room: Harborside Ballroom**

**Moderators:** Patricia Campbell, MBChB, FRCP (Edmin), FRCP, University of Alberta Hospital, Edmonton, AB, CAN and John Schmitz, PhD, D(ABHI, ABMLI), UNC at Chapel Hill, Chapel Hill, NC, USA

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| 10:00 am – 10:30 am | Overview of Non-Invasive Biomarkers of Transplant Rejection  
Peter Heeger, MD  
Icahn School of Medicine at Mount Sinai  
New York, NY, USA |
| 10:30 am – 11:00 am | Cell Free DNA and Role in Monitoring Graft Function  
Hannah Valantine, MD  
National Institutes of Health  
Bethesda, MD, USA |
| 11:00 am – 11:30 am | Exosomes and Their Role in the Alloimmune Response and Potential for Graft Monitoring  
Adrian Morelli, MD, PhD  
University of Pittsburgh  
Pittsburgh, PA, USA |

### Hot Topic: Analytics and Algorithms: Web-Based Clinical Decision Support

**Room: Harborside Ballroom**

**Moderator:** Howard Gebel, PhD, D(ABHI), Emory University, Atlanta, GA, USA

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| 11:30 am – 12:20 pm | Analytics and Algorithms: Web-Based Clinical Decision Support  
Geoffrey H. Smith, MD  
Emory University School of Medicine  
Atlanta, GA, USA |

### User Group Meetings (Ticketed Sessions)

**Room: Harborside A/B**

**Break, Exhibits Closed**

2:20 pm – 2:30 pm

**Abstract Session V: New Assays**

**Room: Harborside A/B**

**Moderator:** Gerald Morris, MD, PhD, University of California San Diego, San Diego, CA, USA and George Vlad, PhD, Columbia University, New York, NY, USA

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<th>Time</th>
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| 2:30 pm – 2:42 pm | DIFFERENTIAL DETECTION OF GLYCOSYLACTION OF HLA DONOR SPECIFIC ANTIBODIES (DSA) USING SINGLE ANTIGEN MICROBEADS (Abstract #OR32)  
Youngil Chang, Nathan Lemp, James C. Cicciarelli, David I. Min. Pomona, CA. |
| 2:42 pm – 2:54 pm | A NOVEL METHOD FOR HLA ANTIGEN SPECIFIC B CELL DETECTION (Abstract #OR33)  
Ge Chen, Hong Liu, Dolly B. Tyan. Palo Alto, CA. |
| 2:54 pm – 3:06 pm | MODERNIZING ABO ANTIBODY DETECTION: DEVELOPMENT OF A BEAD-BASED ABO ANTIBODY DETECTION ASSAY (Abstract #OR34)  
Anne Halpin, Janet Zhou, Jean Pearcey, Todd L. Lowary, Christopher W. Cairo, Gour Daskhan, Bruce Motyka, Stephanie Maier, Lori J. West. Edmonton, AB, Canada. |
| 3:06 pm – 3:18 pm | A NOVEL MIXED LYMPHOCYTE CULTURE METHOD TO EVALUATE DONOR HLA SPECIFIC IMMUNITY IN DIFFERENT HLA TYPE MISMATCHED DONORS AND RECIPIENTS (Abstract #OR35)  
Hong Liu, Dolly B. Tyan, Ge Chen. Palo Alto, CA. |
| 3:18 pm – 3:30 pm | NGS ALLELE-LEVEL TYPING STRATEGY FOR NINE KIR GENES (Abstract #OR36)  
3:30 pm – 3:42 pm  
A METHOD FOR ASSESSING IMMUNOGENICITY OF HLA-EPITOPES TO CIRCUMVENT POTENTIAL IMMUNOTOXICITY OF THERAPEUTIC GENE EDITING (Abstract #OR37)  
Wei Wang, Michael Halagan, Hu Huang, Julia Udell, Yung-Tsi Bolon, Martin Maiers, Caleb Kennedy. Minneapolis, MN.

3:42 pm – 3:54 pm  
NOVEL METHOD USING REVERSE ENGINEERING TO DEFINE HLA EPITOPE ANTIBODY TARGETS (Abstract #OR38)  

2:30 pm – 2:42 pm  
POTENTIAL CLINICAL RELEVANCE OF ANTI-HLA-DP ANTIBODIES TARGETING THE 96K AND 96R EPITOPES (Abstract #OR39)  
Jeffrey Kiernan, Jinguo Wang. Toronto, ON, Canada.

2:42 pm – 2:54 pm  
INTEGRATIVE ANALYSIS OF HLA NGS GENOTYPING DATA AND SINGLE ANTIGEN BEAD ASSAYS FOR MAPPING SEROLOGIC EPITOPES (Abstract #OR40)  
Chia-Jung Chang, Dolly B. Tyan. Palo Alto, CA.

2:54 pm – 3:06 pm  
POTENTIAL ROLE OF NON-HLA ANTIBODIES IN CD4 NEGATIVE AND CD4 POSITIVE ANTIBODY MEDIATED REJECTIONS [AMR] FOLLOWING LIVING/DECEASED DONOR RENAL TRANSPLANTATION (Abstract #OR41)  
Smriti Kanangat, Ina Kurbegovic-Skaljic, David Cimbaluk, Maria Oppermann, Robert DeCresce. New York, NY.

3:06 pm – 3:18 pm  
REACTIVITY OF MONOCLONAL ANTIBODIES FOR THE DETECTION OF HLA CLASS II SURFACE EXPRESSION: MIXING APPLES WITH ORANGES? (Abstract #OR42)  
Esmee Dijke, Anne Halpin, Patricia Campbell, Luis Hidalgo. Edmonton, AB, Canada.

3:18 pm – 3:30 pm  
RACIAL INEQUITY AMONG 0-ABDR MISMATCHED KIDNEY RECIPIENTS (Abstract #OR43)  
Robert A. Bray, Howard M. Gebel. Emory University Hospital, Atlanta, GA.

3:30 pm – 3:42 pm  
HLA EXPRESSION FOLLOWING LYMPHOCYTE ENRICHMENT: TISSUE SOURCE STILL MATTERS FOR DECEASED DONOR CROSSMATCHING (Abstract #OR44)  
Elizabeth M. Moore, Donna P. Lucas, Karl Schillinger, Melissa Jeresano, Annette M. Jackson. Baltimore, MD.

3:42 pm – 3:54 pm  
IS IT SAFE TO TRANSPLANT A KIDNEY FROM DECEASED DONORS IN THE PRESENCE OF DSAs BUT WITH A NEGATIVE FLOW CROSS MATCH? (Abstract #OR45)  

Workshop V: Non-HLA Histocompatibility Systems  
Room: Laurel  
Moderators: Michael Gautreaux, PhD, D(ABHI), Wake Forest School of Medicine, Winston-Salem, NC, USA and David Kiger, CHT, CHS, Wake Forest Baptist Health, Winston-Salem, NC, USA

2:30 pm – 3:15 pm  
APOLLO Study for APOL1  
Darshana Dadhania, MD, MS, Ab Weil Cornell Medicine New York, NY, USA

3:15 pm – 4:00 pm  
Non-HLA Antibodies  
Nicole Valenzuela, PhD, D(ABHI) UCLA Immunogenetics Center Los Angeles, CA, USA
Abstract Session VII: Case Studies
Room: Haborside D/E
2:30 pm – 4:00 pm
Moderators: Peter Lalli, PhD, D(ABHI), Carolinas, Pathology Group, Charlotte, NC, USA and Jerome Saltarrelli, PhD, D(ABHI), Memorial Hermann Hospital, Houston, TX, USA

2:30 pm – 2:40 pm
DONOR-DERIVED ANTI-HLA ANTIBODIES IN A HAPLOIDENTICAL HEMATOPOIETIC CELL TRANSPLANT RECIPIENT SHORTLY AFTER TRANSPLANT (Abstract #OR46)
Paula Y. Arnold, Shane Cross, Brandon Triplett. Memphis, TN.

2:40 pm – 2:50 pm
THE MYSTERY OF THE MISSING DRB1 ALLELE - SOLVED BY NGS!!! (Abstract #OR47)
Anajane G. Smith, Shalini E. Pereira, Amanda Willis, Chulwoo Pyo, Wyatt Nelson, Medhat Z. Askar, Daniel E. Geraghty. Seattle, WA.

2:50 pm – 3:00 pm
HAPLOIDENTICAL HEMATOPOIETIC CELL TRANSPLANTATION IN A HIGHLY SENSITIZED PATIENT WITH DONOR-SPECIFIC ANTIBODIES- A SUCCESS STORY (Abstract #OR48)
Pe-Chien (Elaine) Chou, Ewelina Mamcarz, Sallyanne C. Fossey, Paula Y. Arnold. Memphis, TN.

3:00 pm – 3:10 pm
A PITFALL OF VIRTUAL CROSSMATCHING IN PEDIATRICS: MULTIPLE SOLID PHASE REAGENTS CAN SHOW STRONG HLA ANTIBODIES THAT ARE NOT DETECTABLE IN FLOW CYTOMETRY CROSSMATCHES (Abstract #OR49)

3:10 pm – 3:20 pm
DONOR SPECIFIC HLA ANTIBODY FORMATION FOLLOWING DISTAL TIBIAL ALLOGRAFT AND SUBSEQUENT GRAFT RESORPTION: A CASE REPORT (Abstract #OR50)
Christopher Liwski, Daryl Dillman, Michael Gross, Robert Liwski, Ivan Wong. Halifax, NS, Canada.

3:20 pm – 3:30 pm
TO TREAT OR NOT TO TREAT: LONG TERM STABLE KIDNEY ALLOGRAFT FUNCTION IN PRESENCE OF STRONG COMPLEMENT-FIXING DONOR-SPECIFIC ANTIBODY (DSA) TO HLA-DQ ALPHA CHAIN (Abstract #OR51)
Sam Ho, Nicholas Dyson, Christine Peiter, Bradford West. Ann Arbor, MI.

3:30 pm – 3:40 pm
IDES DESENSITIZATION THERAPY: BREAKING DOWN ANTIBODY BARRIERS TO TRANSPLANTATION (Abstract #OR52)

3:40 pm – 3:50 pm
POST TRANSPLANT MONITORING TO INCLUDE DONOR DERIVED CELL FREE DNA (%ddcDNA): STEPS TOWARD PERSONALIZED MEDICINE (Abstract #OR53)

Coffee Break
Room: Haborside Foyer
4:00 pm – 4:15 pm
International Workshop Updates (IHIW/STAR)
Room: Harborside A/B/C
4:15 pm – 5:00 pm

IHIW: Eric Spierings, PhD
University Medical Center Utrecht
Utrecht, Netherlands

STAR: Patricia Campbell, MBChB, FRCPC
University of Alberta Hospital
Edmonton, AB, CAN

Coffee Break
Room: Harborside Foyer
10:30 am – 11:00 am

Workshop: In Case You Missed It...
Room: Harborside A/B/C
Moderator: John Gerlach, PhD, D(ABHI), Michigan State University, East Lansing, MI, USA
11:00 am – 11:30 pm
What Technologies Caught Our Attention at This Year’s ASHI Annual Meeting
Medhat Askar, MD, PhD
Baylor University Medical Center
Houston, TX, USA

11:30 am – 12:00 pm
How Novel Technologies Will Impact Our Laboratories
John Schmitz, PhD, D(ABHI, ABMLI)
UNC Chapel Hill
Chapel Hill, NC, USA

Symposium IV: Business Meeting and Update
Room: Harborside A/B/C
5:00 pm – 6:00 pm

Networking Reception
Room: Harborside D/E
9:00 pm – 11:00 pm

Friday, October 5, 2018

Registration Open
Room: Haborside Registration Desk
7:30 am – 12:00 pm

Symposium V: Cradle to Grave: Knowledge to be Gained from Sequencing of a Million Human Genomes for Clinical and Forensic Laboratories
Room: Harborside A/B/C
Moderators: Carol Pancoska, PhD, D(ABHI), MT (ASCP), SBB, Laboratory Consultant, Verona, NJ, USA and Paul Warner, PhD, D(ABHI), Bloodworks Northwest, Seattle, WA, USA

8:30 am – 8:45 am
History of Paternity Testing
Elizabeth Allen, MD
UC San Diego Health System
San Diego, CA, USA

8:45 am – 9:00 am
STR Testing
Gerald Morris, MD, PhD
University of California San Diego
San Diego, CA, USA

9:00 am – 10:30 am
Human Identity Testing
Rhonda Roby, PhD, MPH
Alameda County Sheriff’s Office
Oakland, CA, USA