



41st Annual Meeting

September 28 – October 2, 2015
Savannah, Georgia

Early Registration Deadline:
August 19

2015.ashi-hla.org



2015 ASHI Annual Meeting Objectives

ASHI welcomes you to join us at the 41st Annual ASHI Meeting taking place in Savannah, Georgia, September 28-October 2, 2015 at the Savannah International Trade & Convention Center. This year's annual meeting draws inspiration from its location by striving to provide attendees with a little "southern hospitality" and a program built with something for everyone. We will collectively kick things off with the presentation of this year's Rose Payne Award on Monday evening. This year's meeting will provide more opportunities to network with two poster receptions, a mixer and round table dedicated to those new to the field, as well as an afternoon free for mingling with colleagues and weaving plans for future collaborations. Of course, there will be ample opportunities to learn about updates on regulatory and practice guidelines as well as on many areas germane to the histocompatibility and immunogenetics laboratory and the transplant community at large.

There will be sessions on B cell, T cell, NK cell, and plasma cell immunology. Donor-specific antibodies and the asymmetry of the immune response will be highlighted. New insights on how next generation sequencing is better characterizing the role of HLA in disease association will be covered. An opportunity to understand the microbiota and how it impacts immunology and the transplant field will be provided. Ensuring that all areas of transplant are represented, there will be sessions concerning the minor histocompatibility antigens and their impact on cellular and solid organ transplants.

The topics of kidney allograft rejection and the impact of the new kidney allocation system is an opportunity for updating clinical practice topics as well as involvement of clinician colleagues. An opportunity to hear from a transplant recipient will further fulfill the link to clinical practice. There will be one workshop devoted to the emerging virtual compatibility test and the practical problems of desensitization and monitoring immunomodulation. There will be a forum for directors and technologists to hear updates on clinical practice and regulatory guidelines, and a presentation on upcoming practice issues.

There will be several allotted times for thorough poster review and attendance of technical workshops to update all areas. There will be one session available to entry level individuals to engage peers in a round table setting discussing various topics, including the interpretation of HLA compatibility based on flow crossmatching and anti-HLA antibody testing analyses, serological equivalence, and haplotype assignment. This format should allow a more relaxed atmosphere and encourage active learning.



Program Chair

John Gerlach, PhD, D(ABHI)
Michigan State University

Abstract Chairs

Jill Hollenbach, PhD
*University of California
San Francisco
School of Medicine*

Andres Jaramillo,
PhD, HCLD(ABB)
*Gift of Hope
Organ & Tissue Network*

Paul Norman, PhD
*Stanford University
School of Medicine*

Shalini Pereira, PhD, D(ABHI)
Scisco Genetics Inc

Workshop Chairs

Nebila Abdulwahab,
MT (ASCP), CHT, CHS
Ohio State University Hospital

Brett Loehmann,
CHT, CHS, CTBS, BS
*Mid-South Transplant
HLA Laboratory*

Plenary & Symposium Sessions

Marcelo Fernández-Viña,
PhD, D(ABHI)
*Stanford University
School of Medicine*

Michael Gautreaux,
PhD, D(ABHI)
*Wake Forest University Health
Sciences*

Walter Herczyk,
MT(ASCP), CHS(ABHI)
Gift of Life Michigan

Sam Ho, PhD
Gift of Life Michigan

Annette Jackson, PhD
Johns Hopkins University

Malek Kamoun, MD, PhD
University of Pennsylvania

Geoffrey Land, PhD, HCLD
*Carter BloodCare &
Baylor University Medical Care*

Robert Liwski, MD
*Capital District
Health Authority*

Lori Osowski, MS, CHS
*University of Maryland
Medical Center*

Anat Roitberg-Tambur, DMD,
PhD, D(ABHI)
Northwestern University

John Schmitz,
PhD, D(ABMLI, ABHI)
UNC Chapel Hill

CME Credit

Participants must complete an evaluation form to receive a certificate documenting credits earned for attending sessions. Sessions must be attended in their entirety. Partial credit is not available. Online meeting evaluations will be available from September 28–December 1, 2015. After this time, certificates will no longer be available. Instructions for completing your evaluation and printing your certificate will be provided in the final program, and also via email.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Institute for the Advancement of Human Behavior (IAHB) and the American Society for Histocompatibility & Immunogenetics (ASHI).

Credit Designation Statement

The IAHB is accredited by the ACCME to provide continuing medical education for physicians. The IAHB designates a maximum of 30 AMA PRA Category 1 Credits™ for this live activity. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Board of Histocompatibility and Immunogenetics

The American Board of Histocompatibility and Immunogenetics (ABHI) has approved the 41st Annual ASHI Meeting content for a maximum of 30 contact hours (6.5 contact hours for Inspectors' Workshop and 23.5 contact hours for the meeting), or 4.5 CECs (0.975 CECs for Inspectors' Workshop and 3.525 CECs for the meeting) of continuing education hours for completing each module.



41st Annual Meeting

Savannah, Georgia

Full Disclosure Policy

All faculty and program organizers participating in and planning continuing medical education programs sponsored by ASHI are required to disclose to the program audience any real or apparent conflicts of interest related to their presentation. Full disclosure of faculty relationships will be available on site.

ADA Compliance

The Savannah Convention Center and ASHI fully comply with the Americans with Disabilities Act. If you require special assistance, check the box on the registration form and indicate the type of assistance needed.

Exhibits

The exhibits complement the clinical and scientific content of the meeting by exposing attendees to the latest developments in products and services used by immunologists, molecular biologists, transplant physicians, surgeons, pathologists, and technologists involved in histocompatibility and immunogenetics.

The exhibit hall is located in Exhibit Hall A of the Savannah Convention Center. For safety reasons, children under age 17 are not permitted in the exhibit hall.

Abstracts

All abstract submissions for the 41st Annual ASHI Meeting are peer reviewed and will be considered for oral or poster presentation. Accepted abstracts will be posted on the ASHI website and published in a supplement of *Human Immunology*, which will be available on site at the meeting.



Poster Session

Accepted posters will be on display from Monday, September 28 – Thursday, October 1 during the annual meeting. New this year, the poster area will have its own separate entrance allowing attendees full access to posters at any time during open registration hours. One poster reception will be dedicated to open discussion with the authors on Thursday, October 1.

Awards

The following awards will be presented for abstracts:

Oral

- ASHI Scholar
- International Scholar
- Best Solid Organ Case Study
- Best Stem Cell Case Study

Poster Presentation

- Most Innovative
- Most Clinically Relevant
- People's Choice



Scientific Awards Lecture

The Scientific Awards Sessions will feature presentations from the recipients of the Rose Payne Award, the Paul I. Terasaki Clinical Science Award, and the Distinguished Scientist Award.

Additional awardees will be honored for their contributions to the fields of histocompatibility and immunogenetics during Symposium III: Awards & Business Meeting. The awards presented in this symposium are:

- ASHI Distinguished Service Award
- Outstanding Technologist Award
- Rising Star Award
- ASHI Scholar Awards

Inspectors' Training Workshop

A full-day workshop will be offered for both new and active inspectors, featuring topics and presentations relevant to the inspection experience. Inspectors are required to attend an update every two years to maintain certification.

NEW! First Timers Mixer

Is this your first time attending an ASHI Annual Meeting? This mixer is for you! Join us Monday, September 28, 5:30 pm–6:30 pm before the Welcome Reception to get to know your fellow first time attendees as well as a small ASHI welcome committee as they introduce you to this great event.

Welcome Reception

Light hors d'oeuvres and drinks will be served

Catch up with old friends and make new ones at this casual networking reception, Monday, September 28, 8:00 pm–9:00 pm.

ASHI's 5K Fun Run/Walk

(Ticketed Event)

Wednesday, September 28, 6:30 am–8:00 am

Join us for ASHI's third annual 5K Run/Walk at the 41st Annual ASHI Meeting. Proceeds from this event will benefit the local Savannah organ procurement organization, so no matter how fast or slow you are, you will save a life!

Fee: \$25 per person

NEW! Workshop 5: Round Table Topics

Workshop 5 is designed to promote interaction, exposure and knowledge through small discussion groups to non PhDs. This session is limited to 80 – 120 participants.

Format:

- 10-12 individuals at 8-10 small group tables
- Each table will be led by a facilitator
- Registrants can pre-select 4-6 topics, the top 6 topics indicated by participants will be discussed
- 5 minutes allocated for each presenter to share abstract/case study to the entire workshop
- 5 minutes for each table to discuss topic
- 1-2 minutes for each facilitator to report their best table conclusions to entire workshop
- This will repeat for each topic



To participate in this workshop you must be a non PhD. When registering, remember to indicate if you would like to attend this session by checking the appropriate box. ASHI Headquarters will provide a secondary registration confirmation and additional details for this session. Once this session reaches the maximum participants it will close.

NEW! ASHI Closing Reception

Light hors d'oeuvres & drinks will be served

Thursday, October 1, 6:00 pm–8:00 pm

After four days of educational programming, the closing session is sure to remind all in attendance why this work is so important. Listen as guest speaker Helene Campbell shares her transplant story heard first on the "Ellen Degeneres Show."





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Schedule at a Glance

MONDAY, SEPT 28	TUESDAY, SEPT 29	WEDNESDAY, SEPT 30	THURSDAY, OCT 1
8:00 am – 4:00 pm Inspector's Training Workshop (requires registration to ASHI Meeting) 5:30 pm – 6:30 pm First Timers Mixer 7:00 pm – 8:00 pm Scientific Award Presentation: Rose Payne Awardee 8:00 pm – 9:00 pm Welcome Reception Poster & Exhibit Hall Preview	8:00 am – 9:00 am Keynote Address: Molecular Signatures In Transplantation: What is Now, What is Next? <i>Daniel R. Salomon, MD</i> 10:00 am - Noon Symposium I: Impact of Human Microbiota on Disease, Immunity and Transplantation Overview of the Microbiota in Health and Disease States <i>Andrew Gerwitz, PhD</i> Microbiome and Host Immune Development <i>Dingding An, PhD</i> Microbiota – Potential Impact on Transplantation <i>Maria-Luisa M. Alegre, MD, PhD</i> 2:00 pm – 3:30 pm Abstract Session 1 & 2 Workshop 1: HLA/KIR Diversity in Disease Susceptibility in the Era of New Generation Sequencing <i>Marcelo M. Fernandez-Vina, PhD, D(ABHI)</i> <i>Jill Hollenbach, PhD, MPH</i> Workshop 2: Case Study (Abstracts) 4:00 pm – 5:30 pm Directors' Forum Technologists' Forum 5:30 pm – 7:00 pm Poster Reception 7:00 pm – 9:00 pm ARB Inspectors' & Int'l Reception (by invitation only)	6:30 am – 8:00 am ASHI 5k Fun Run/Walk 8:30 am – 10:00 am Plenary I: Scientific Award Presentation Distinguished Scientist Awardee <i>Paul I. Terasaki Clinical Science Awardee</i> 10:30 am – 12:30 pm Joint Symposium: Diagnosis of Kidney Allograft Rejection – it Takes a Village Transplant Pathologist Perspective <i>Michael Mengel, MD</i> Transplant Nephrologist Perspective <i>John J. Friedewald, MD</i> Detection of Donor Specific Antibody at the Time of Renal Allograft Rejection <i>Annette M. Jackson, PhD, D(ABHI)</i> 2:30 pm – 4:00 pm Abstract Session 3 & 4 Workshop 4: Impact of the New Kidney Allocation System <i>John J. Friedewald, MD</i> <i>Rajalingam Raja, PhD, D(ABHI)</i> <i>Sam Ho, PhD, D(ABHI)</i> Workshop 5: Round Table Topics (limited space, secondary registration confirmation required) 1. Serum treatment strategies/ interfering substances 2. Flow Crossmatch 3. Antibody Interpretation (is it real? /c1q/c3d etc) 4. Engraftment monitoring, 5. Serological equivalence, 6. Haplo Type Assignment 7. Ambiguity Resolution 8. Discrepant Data	7:15 am – 8:15 am Women in Transplantation Meeting 8:30 am – 10:00 am Plenary II: T Cell Therapies Using Chimeric T Cell Receptors and Regulatory T Cells T Cell Therapies for Cancer <i>Marcela Maus, MD, PhD</i> Treg Cell Therapy for Autoimmunity and Transplantation <i>Qizhi Tang, PhD</i> 10:30 am – 12:30 pm Symposium III: Award, Business Meeting & Updates (inclusive of ARB/PT/DTRC update) 2:30 pm – 4:00 pm Special Abstract Session: Scholar Awards Workshop 6: HLA Mismatches: Picking the Lowest Hurdle Differing Immunogenicity Among HLA Antigens and Impact and Directionality of Crossreactivity <i>Andrea Zachary, PhD</i> Current status of HLA Permissiveness in Hematopoietic Cells Transplantation <i>Susana Marino MD, PhD</i> Workshop 7: Virtual Crossmatch (how to determine if an antibody is real) Desensitization & Monitoring <i>Howard Gebel, PhD, D(ABHI)</i> <i>Nancy Reinsmoen, PhD, D(ABHI)</i> <i>Kathryn Tinckman, MD, MMSc, FRCPC</i> 4:30 pm – 6:00 pm Plenary III: Minor Histocompatibility - Bone & Organ (Not the Usual Suspects) - Role of G - Class III MICA Antigens and Antibodies: Other Kids on the Transplant Block? Medhat Askar, MD, PhD Genome-Wide Genetic Variation and Hematopoietic Cell Transplant Outcome <i>John Hansen, MD</i> Immunotherapy with Hematopoietic Restricted Minor histocompatibility Antigen Specific TCR Engineered T Cells after Allogeneic Stem Cell Transplantation <i>Mirjam Heemskerk, PhD</i> 6:00 pm - 7:00 pm From Practice to Patient & Networking Poster Reception Featuring Guest Speaker <i>Helene Campbell</i>
FRIDAY, OCT 2			
8:30 am – 10:00 am Plenary IV: Regulation of B Cell and Plasma Cell Subpopulations and Applications to Transplantation Subpopulations of Bone Marrow Plasma Cells <i>David M. Allman, PhD</i> B Cell Regulation and Its Application to Transplantation <i>Menna Clatworthy, BSc, MBBCh, PhD, FRCP</i> Antibodies to HLA and non-HLA Self - Antigens Allograft Rejection <i>Thalachallour Mohanakumar, PhD, D(ABHI)</i> 10:30 am – 12:30 pm Symposium IV: Natural Killer Cells: Regulation, Cancer Therapy, and AMR Reactivity and Self-Tolerance of Natural Killer Cells <i>David H. Raulet, PhD</i> Therapeutic Applications of NK Cells in Hematological Diseases <i>Jeffrey S. Miller, MD</i> NK Cell Responses to HLA Antibodies <i>Luis M. Hidalgo, BSc, PhD</i>			



Hotel & Travel Information



Important Housing Note

Please be cautious and aware that any solicitation you receive regarding housing services is coming from an outside company that is not endorsed by or affiliated with ASHI in any way. Room reservations made on your behalf by any outside company may not be guaranteed. ASHI is not responsible for any reservations made outside of the ASHI block.

Official Host Hotels

Hyatt Regency Savannah

(10 minutes via ferry to the Convention Center)

ASHI Discounted Rate:
\$170 per night plus tax

Westin Savannah

(next door to the Convention Center)

ASHI Discounted Rate:
\$199 per night plus tax

Marriott Savannah Riverfront

(10 minutes via ferry to the Convention Center)

ASHI Discounted Rate:
\$189 per night plus tax

To book your reservation online visit

resweb.passkey.com/go/ashi2015

If you would like to make a reservation via telephone or have any questions, please call the Savannah Housing Bureau at (912) 644-6465 during the business hours of 8:30 am-5:00 pm (EST).

Feel free to arrive early or stay longer as these discounted rates are available three days prior to and after the meeting (reservations are subject to availability). Please contact ASHI Headquarters with any questions or concerns at meetings@ashi-hla.org.

Transportation in Savannah

With its pedestrian-friendly layout and innovative urban design, Savannah serves as a balm for the senses. The city inspires visitors with its emerald tree canopy, quaint cobblestone streets and majestic architecture. Take the time to wander off the beaten path and experience the history, beauty and charm of this beloved coastal city.

Airport:

The Savannah/Hilton Head International Airport is approximately 18 miles from the Savannah International Trade & Convention Center.

Ground Transportation:

K Shuttle Service (\$30 round trip)

K Shuttle provides transportation to and from the Savannah International Airport to downtown Savannah hotels. Reservations can be booked online at www.kshuttle.com or toll free at (877) 243-2050.

Taxi Service (\$34 per trip)

Average taxicab fare from the Savannah/Hilton Head International Airport to the Westin Savannah Harbor Golf Resort & Spa is around \$34. For a list of taxicab companies servicing the Savannah/Hilton Head International Airport, visit savannahairport.com/airport/ground_transportation/



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Hotel & Travel Information

Public Transportation: Chatham Area Transit

The Chatham Area Transit 100 Airport Express bus stops in front of the terminal on the lower level. CAT 100X Airport Express costs just \$5 one-way (\$8 roundtrip) and provides nonstop service between the airport and the Joe Murray Rivers Jr. Intermodal Transit Center in downtown Savannah, seven days a week. Cash fare and weekly and monthly passes are valid on this route.

Rental Car Discount

To reserve a car, contact Avis at (800) 331-1600 and use the ASHI Avis Worldwide Discount (AWD) number J869090. Reservations can also be made online.

Registration Information and Policies

Early Registration Deadline: August 19

Early registration, received on or before August 19:

• \$510 ASHI Member • \$645 Non-member

Onsite registration, received after August 19:

• \$560 ASHI Member • \$695 Non-Member

Join ASHI while registering for the meeting and save up to \$135 on registration fees. Becoming a member not only allows you to save on registration, but membership also allows you to gain additional benefits. New members who join while registering for the annual meeting are paid through December 2016! For more member benefits and information, visit www.ashi-hla.org/about/membership.

Advance registration is strongly recommended as space is limited. Registration forms, including complete payment and membership information (if applicable), must be received by August 19 to guarantee attendance. Additionally, advanced registration ensures timely processing of your registration and helps avoid on-site delays.

Confirmation of Registration

Confirmation of your registration will be emailed to the address provided prior to the meeting. You can pick up your badge and other meeting materials during open registration hours by visiting the registration desk.

Cancellations/Refunds

To cancel your registration and receive a refund, a written request must be received in the ASHI office by August 19, 2015.

Cancellation requests received by this date will receive a refund less a \$75 processing fee. All requests will be processed after the meeting. No refunds will be issued for requests received after August 19, 2015.

Three Ways to Register



Online

[Click here to register.](#) Payment must be made by credit card.



Fax

Complete the registration form in its entirety, including payment information, and fax to ASHI Headquarters at (877) 716-6404.



Mail

Mail complete registration forms including credit card information or a check made payable to ASHI to:

ASHI Registration

1120 Route 73, Suite 200 • Mt. Laurel, NJ 08054 • USA

Checks must be made to ASHI payable in U.S. dollars and drawn on U.S. Banks only.

ASHI 41st Annual Meeting Registration Form

****THE DEADLINE FOR EARLY REGISTRATION IS AUGUST 19, 2015**** • Please type or print clearly

First Name:	Last (Family) Name:	Institution/Affiliation:
Street Address:		Suite/Apt:
City:	State:	Zip/Postal Code:
Country:		
Phone:	Fax:	E-mail:

IS THIS YOUR FIRST ASHI MEETING ☐ Yes ☐ No

EARNED DEGREE ☐ MD ☐ PhD ☐ MA ☐ BS ☐ Other (please specify): _____

POSITION ☐ Director ☐ Technologist ☐ Supervisor ☐ PI ☐ Other (please specify): _____

PRIMARY EMPHASIS ☐ Clinical Science ☐ Basic Science ☐ Attending Physician/Surgeon ☐ Other (please specify): _____

SPECIAL NEEDS

☐ Please check here if you require special attention to fully participate. ASHI fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations. Indicate Requirement: _____

OPT-OUT

☐ The e-mail address and phone number provided will be encoded in a bar code on your badge. Allowing exhibitors to scan your badge grants them access to your contact information. Check the box if you do not want your contact information included in the pre and post registration lists sent to exhibitors.

REGISTRATION FEES

Membership Identification Number: _____

Registration fees quoted are in U.S. dollars

* EFI & APHA submit to ASHI Headquarters 856-425-0525 for ASHI member pricing

	<u>Early (by 8/19)</u>	<u>Regular (after 8/19)</u>
Member *	\$510	\$560
Non-member	\$645	\$695
Student/Fellows#	\$325	\$375
Single Day Member	\$280	\$330
☐ M ☐ T ☐ W ☐ Th ☐ F		
Single Day Non-Member	\$410	\$445
☐ M ☐ T ☐ W ☐ Th ☐ F		
Guest **	\$220	\$265

Guest First Name: _____

Guest Last (Family) Name: _____

Students and fellows must send a letter from their supervisor certifying status to ASHI Meetings at meeting@ashi-hla.org.

*** Guests may attend the Welcome Reception, Poster Reception and Closing Reception only. Guests are not able to access the Exhibit Hall or scientific programming.*

2015 MEMBERSHIP DUES

If you would like to become a new member of ASHI, please fill out a membership application (found at ashi-hla.org) and attach to this form.

If you would like to prepay your 2016 membership dues, please check the appropriate box below:

- ☐ Full Member/Non-Doctoral \$100 ☐ International Associate \$50
☐ Technologist \$50 ☐ Full Member/Doctoral \$150
☐ Student/Fellow \$50 ☐ Emeritus \$55
☐ Affiliate \$50

Membership includes Human Immunology online version.

For print version of Human Immunology, add \$30.

(excluding International Associate Membership)

International Associate Members online Human Immunology add \$20

Membership categories are subject to approval.

2016 member dues subtotal \$ _____

☐ ASHI Educational Travel Fund Donation

ASHI, in its continued efforts to advance the science, education, and application of immunogenetics and transplant immunology, would like to make meeting travel grants available for ASHI members in need. Please consider a contribution to the ASHI Educational Travel Fund by indicating below the amount you wish to contribute.
\$ _____

ASHI'S 5K FUN RUN/WALK

Wednesday, September 30th from 6:30 am – 8:00 am

\$25 per person

Number of participants X \$25 = \$ _____

To assist organizers, kindly indicate which events you plan to attend.

On-site changes are permitted.

Please select one option for each time slot

MONDAY, SEPT. 28

8:00 AM – 4:00 PM

☐ Inspectors' Training Workshop

TUESDAY, SEPT. 29

2:00 – 3:30 PM

☐ Workshop 1 ☐ Workshop 2 ☐ Abstract 1 ☐ Abstract 2

4:00 – 5:30 PM

☐ Directors' Forum ☐ Technologists' Forum

WEDNESDAY, SEPT. 30

2:30 – 4:00 PM

☐ Workshop 4 ☐ Workshop 5 ☐ Abstract 3 ☐ Abstract 4

THURSDAY, OCT. 1

7:15 – 8:15 AM

☐ Women in Transplantation Meeting

2:30 – 4:00 PM

☐ Workshop 6 ☐ Workshop 7 ☐ Special Abstract Session: Scholar Awards

6:00 – 8:00 PM

☐ Closing Reception

PAYMENT INFORMATION TOTAL \$ _____

☐ Check (made payable to ASHI, drawn on U.S. bank in U.S. dollars)

☐ Wire Transfer (must be in U.S. dollars, including \$25 bank transfer fee)

Credit Card ☐ VISA ☐ MasterCard ☐ American Express

Card Number: _____

Expiration Date: _____

Signature: _____

Cardholder's name: _____

CANCELLATION/REFUNDS

To cancel your registration and receive a refund, a written request must be received in the ASHI office by August 19. Cancellation requests received by this date will receive a full refund less a \$75 processing fee. All requests will be processed after the meeting. No refunds will be issued for requests received after August 19.

THREE WAYS TO REGISTER:

Internet: 2015.ashi-hla.org • Fax: 877-716-6404 • Mail: ASHI, 1120 Route 73, Suite 200, Mount Laurel, NJ 08054