THE SCIENCE OF TOMORROW STARTS TODAY

AMERICAN TRANSPLANT CONGRESS

ATC 2022

JUNE 4–8, 2022 / BOSTON, MA
JOHN B. HYNES CONVENTION CENTER

atcmeeting.org / #ATC2022Boston

REGISTRATION BROCHURE

Discounted Deadline / May 4, 2022
In-Depth Symposia / Saturday, June 4, 2022
ATC Annual Meeting / Saturday, June 4 – Wednesday, June 8, 2022
Exhibits / Saturday, June 4 – Tuesday, June 7, 2022
THE SCIENCE OF TOMORROW STARTS TODAY

JOIN OVER 5,000 transplant professionals from around the world for the most comprehensive live educational event on transplantation. ATC 2022 will offer more than 200 scientific and clinical related sessions designed to expand your knowledge, sharpen your skills, and keep you up-to-date on the most recent advances in solid organ and tissue transplantation.

ALL NEW ENHANCED EXPERIENCE

In-Person
We are excited to announce ATC 2022 will return IN-PERSON in Boston, MA. The ATC Program Planning Committee has built a robust program that will allow in-person attendees the opportunity to gain access to innovators in the field while having your voice heard through various types of interaction.

We are excited to welcome you back to Boston!

Virtual Only
We will also live stream sessions to the virtual audience in real-time allowing them the opportunity to submit questions in real-time.

Mobile Responsive Access
You’ll be able to access sessions for Live Streaming or OnDemand on-the-go, earn your education credit or contact hours, hear the latest innovations, and build your professional network.

Access Breakdown
Review the below access that is included in ATC Registration for In-person and Virtual Only attendees.

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Health & Safety

Boston In-person Entry Protocols
The health and safety of all ATC participants and staff, along with their family members, co-workers and patients, continue to remain our top priority and we’d like to thank you for your support as we plan our next meeting.

COVID-19 Vaccination Required
The ATC 2022 Congress will proceed with a COVID-19 Vaccination Required approach for all In-person attendees, exhibitors, press, and ATC/ASTS/AST staff.

In practice, this means all ATC In-person attendees, exhibitors, press and ATC/ASTS/AST staff must be fully vaccinated to gain access to the ATC Boston meeting facilities.

City of Boston – Mask Wearing Inside Facilities
In accordance with the CDC guidelines and the City of Boston, masks will be required for all guests, regardless of vaccination status, inside at all ATC Boston meeting facilities. Masks must be worn except while actively eating or drinking.

Full details available: atcmeeting.org/health-safety
ABOUT ATC

The American Transplant Congress (ATC) is the joint annual Congress of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). The ATC provides a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation and brings together transplant physicians, scientists, nurses, organ procurement personnel, pharmacists, allied health professionals, and other transplant professionals. The educational offerings provide attendees the opportunity to learn cutting-edge advances in research and promote the exchange of ideas and practice in the field of solid organ and tissue transplantation.

ATC is an annual Congress that welcomes 5,000 transplant professionals to present cutting-edge science that covers all organ types and offers insight into the future of the field and patient care.

ABOUT ASTS

The American Society of Transplant Surgeons represents approximately 1,900 professionals dedicated to excellence in transplantation surgery. Our mission is to advance the art and science of transplant surgery through patient care, research, education, and advocacy. We are the only organization dedicated to transplantation surgery in North America and accredit training programs for abdominal transplant surgery, in addition to providing certification for transplant surgeons through the Transplant Accreditation and Certification Council. To learn more, visit ASTS.org or email asts@asts.org.

ABOUT AST

Founded in 1982, the American Society of Transplantation (myAST.org) is an organization of more than 4,000 professionals dedicated to advancing the field of transplantation and improving patient care by promoting research, education, advocacy, organ donation and service to the community through a lens of equity and inclusion. The society is the largest organization of transplant professionals in North America. AST members are sought out as transplant experts and advocates. Other transplant organizations, policy makers, regulatory agencies, payors, academic institutions, and the general public look to the AST for guidance, research, and resources related to transplantation.

WELCOME!

It is with great pleasure that the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST) invite you to attend the 2022 American Transplant Congress (ATC) — the 21st joint annual Congress. The ATC is the foremost educational event in the field of basic and clinical transplantation.

For the 2022 Congress, we head back to Boston, MA, where it will be held in the John B. Hynes Convention Center. Review this registration brochure for program details and discounted registration information.

The Science of Tomorrow Starts Today at ATC in Boston!

We look forward to your participation.

Sincerely,

ATC 2022 Program Planning Committee
“ATC showcases the latest innovations and advances in transplant practice and science. Wherever you are in the world, ATC is the one can’t-miss event for everyone in transplantation!”
— A. Osama Gaber, MD, FACS
ASTS President

“The ATC is the premier academic transplant meeting and a must attend for all transplant professionals. This year’s meeting promises to be extra-special as the first in person meeting since 2019.”
— John Gill, MD, MS
AST President

“We have all learned the tremendous value of engaging with our peers over the past two years. ATC offers the most comprehensive environment to interact with the top scientists and professionals in the field of transplantation.”
— Jesse Schold, PhD, M.Stat, M.Ed
2022 ATC Program Chair

“I think after navigating two plus years of pandemic, cycling restrictions, and virtual academic meetings that have conveyed the essentials of academic progress over the past three years, ATC 2022 in Boston gives us the opportunity to convene in person, with attention to doing so safely, and interact with colleagues, foster collaboration, and assess the progress that has occurred in transplantation during this unprecedented period of change.”
— Matt Levine, MD, PhD
2022 ATC Program Chair
About BOSTON

History around every corner, and so much more! Boston’s rich art, music and dance institutions, theatre and cultural attractions, distinguished dining and nightlife venues, world-class shopping, and championship sports teams attract millions of visitors each year. The city’s downtown neighborhoods, each with their own personality, offer endless unique experiences. Boston’s proximity to other must-see sites all around New England make it one of the country’s most diverse and exciting locales.

BOSTON FACTS:

- Boston is Home to America’s First Public Park, established in 1634
  Source: Signature Boston

- The cities of Boston and Cambridge have nine hospitals and medical centers

- Logan Airport has nonstop flights to 56 domestic and international destinations

- Voted a Top 15 City in 2018
  Source: Travel and Leisure Magazine World’s Best Awards 2018
EXECUTIVE COMMITTEE

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Medical Center
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Hartsdale, NY

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Josef Stehlik, MD
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Salt Lake City, UT

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E-mail: atc@atcmeeting.org
Website: atcmeeting.org

CONGRESS TEAM

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Registration Manager
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Email: nwilliams@atcmeeting.org

Victoria McIntyre
Program and Meeting Coordinator
Direct: 856-380-6875
E-mail: vmcintyre@atcmeeting.org
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President-Elect
William C. Chapman, MD, FACS

Immediate Past President
Marwan S. Abouljoud, MD, FACS, MMM

Past President
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Kenneth Washburn, MD
Kenneth A. Andreoni, MD
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Irene K. Kim, MD
Linda C. Cendales, MD
Ty B. Dunn, MD, MS
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Associate Councilor
Ashley H. Seawright, DNP, ACNP-BC

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Marie Chishold-Burns, PharmD, PhD, MPH, MBA
Vineeta Kumar, MD, FAST
Mandy Ford, PhD, FAST
Who Should Attend?

This meeting is designed for physicians, surgeons, scientists, nurses, organ procurement personnel, pharmacists and other transplant professionals who are interested in the clinical and research aspects of solid organ and tissue transplantation. The meeting will provide the most current information in the field of transplant science.

Overview of the American Transplant Congress

To provide a forum for exchange of new scientific and clinical information relevant to solid organ and tissue transplantation.

To create an arena for the interchange of ideas regarding care and management of organ and tissue transplant recipients.

To facilitate discussions of socioeconomic, ethical, and regulatory issues related to solid organ and tissue transplantation.

A variety of formats are planned that will encourage the exchange of new scientific and clinical information and support an interchange of opinions regarding care and management issues, as well as socioeconomic, ethical and regulatory issues relevant to organ and tissue transplantation.

Scientific material will be presented through in-depth symposia, impact sessions, meet the expert, rapid-fire oral presentations, and more.
SATURDAY, JUNE 4 – WEDNESDAY, JUNE 8, 2022

<table>
<thead>
<tr>
<th>Registration Type</th>
<th>Discounted Registration by May 4, 2022</th>
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<tr>
<td></td>
<td>In-Person</td>
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<tr>
<td>Member (ASTS, AST or Dual)</td>
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<tr>
<td>Non-Member</td>
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<td>Non-Doctoral Member (ASTS or AST)</td>
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<tr>
<td>Non-Doctoral Non-Member</td>
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<tr>
<td>Trainee Member (ASTS or AST)</td>
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<tr>
<td>Trainee Non-Member*</td>
<td>$225.00</td>
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<tr>
<td>Senior/Emeritus Member</td>
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<tr>
<td>Medical Student/Resident**</td>
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*Trainee non-members must provide proof of eligibility.

**The Medical Student / Resident registration category is not intended for poster or oral abstract presenters. Residents must provide a letter from their program director; Students must provide a letter from their department chairs.

INCLUDED IN REGISTRATION

All New Enhanced Experience

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We will also live stream sessions to the virtual audience in real-time allowing them the opportunity to submit questions in real-time.

Review the access that is included in ATC Registration for In-person and Virtual Only attendees.

Additional Items

| iPad Rental | $65.00 per iPad (Limited to one per registrant) |

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**PROCESS & PAYMENT**

**Discounted Registration Deadline: May 4, 2022**
The ATC offers discounted registration fees if you register by May 4, 2022. Registration must be completed online along with full payment by this date to qualify for the discounted registration fee. Early registration is strongly recommended to ensure timely processing of your registration and to avoid lengthy on-site lines.

**Online Registration**
Registration must be completed online, www.atcmeeting.org.

**Payment**
Registration must be paid using a valid credit card online. Wire transfers are not accepted for individual registrations or groups. Full payment must accompany all registrations and registration will not be final until payment is received.

**Payment will be reflected as 'American Transplant Congress'**.
Credit Cards Accepted: Visa, American Express, MasterCard

**Registration Fees for ASTS / AST Members**
The ATC offers reduced registration fees to ASTS or AST members. Membership dues for 2022 must be paid by May 31, 2022 to qualify for MEMBER registration fees. NEW member applications are subject to additional processing time following payment.

**QUESTIONS REGARDING YOUR ASTS OR AST MEMBERSHIP?**

**ASTS Membership**
Membership team at membership@asts.org or 703-414-7870.

**AST Membership**
Membership team at info@myAST.org or 856-439-9986.

*New/Renewing membership in ASTS or AST may take 5–10 business days to be active in the ATC registration system. We appreciate your patience.

**POLICIES**

**Cancellation/Change Fee Policy**
Requests for refunds must be submitted via email to nwilliams@atcmeeting.org by May 20, 2022 to be eligible for reimbursement. There will be a $75 processing fee for all refunds. Refunds will not be processed until after the meeting. Refund requests after May 20, 2022 will not be honored. There are no refunds for ticketed or social events.

**Name Changes**
All name changes must be received via email to nwilliams@atcmeeting.org by May 20, 2022. If you would like to make a name change after this date, there will be a $25.00 charge per name change.

**Incorrect Registration Category**
If you register under the incorrect registration category, there will be a $75 processing fee to alter your registration. Please make sure you have carefully reviewed the registration types before you register.

Requests to change a registration category must be submitted via email to nwilliams@atcmeeting.org by May 20, 2022. We are not able to change your registration type after this date.

**VISA Letters of Invitation**
Letters of invitation are available to registered participants only. You will have the option to request a letter of invitation during the registration process. Once you are registered, you will need to log into your badge center. You will need your email address and badge number to log in. You will then be able to print the Visa invitation letter using the link under “My Account.”
HOTEL INFORMATION

OnPeak has been selected as the Official ATC Housing Company. ATC has negotiated hotel rooms at a discounted rate available through the online reservation system that will be available February 2022. Rooms are limited and available on a first-come, first-served basis.

Benefits of Booking in the Block

- Block hotels have been researched by ATC to ensure they meet our standards.
- Assistance is available in advance and on-site for problems with the ATC block hotels.
- Block hotels have friendlier booking terms: no change fees, no full prepayment.
- It saves money. Rates and terms are guaranteed.
- It’s the right thing to do to support the conference. Meeting space rental and future room rates are based on in-the-block bookings, helping to keep the overall cost of registration lower. Future cost savings for all depends on strong in-the-block bookings.

Preferred Hotels & Rates

To secure these rates, you must book housing through OnPeak. Rooms are limited and available on a first come, first served basis at atcmeeting.org/hotel.

Sheraton Boston ......................... $338
Marriott Copley Place ..................... $348
Westin Copley Place ...................... $358

DISCOUNTED RESERVATION DEADLINE: MAY 11, 2022

TRAVEL INFORMATION

Air Travel

The ATC has designated Crystal Travel Management Company as their official travel agent for the Congress.

To make a flight reservation, contact Sean Kelly at Crystal Travel Management Company at 1-888-327-2862 or via email at Sean@crystal-travel.com.

To obtain the most competitive rates, please refer to the ATC meeting when making reservations. Fare restrictions and cancellation penalties may apply to your travel. Be sure to book your flight well in advance to receive the best rates and to have the agent advise you of any applicable restrictions.
PROGRAM TYPES

ATC is designed with a variety of program layouts and formats to engage all types of learners. Take advantage of the multi-disciplinary nature of the ATC by reviewing the program descriptions below.

CONGRESS PROGRAMS SATURDAY, JUNE 4TH, 9:30 AM – WEDNESDAY, JUNE 8TH, 12:30 PM

All below programs are included in Congress registration unless noted.

IN-DEPTH SYMPOSIA
9:30 AM – 12:00 PM | SATURDAY

In-Depth Symposia are half day sessions designed around a specific topic of interest. These sessions provide in-depth state-of-the-art information focused both on clinical and research areas from various perspectives, allowing attendees to make connections and incorporate the knowledge acquired into their everyday practice.

Attendee Profile
▶ Early Career
▶ Experienced Wanting to Learn More
▶ Mentor/Expert Wanting to Share Comments

IMPACT SESSIONS
7:00 AM – 8:00 AM | SUNDAY, MONDAY, TUESDAY, WEDNESDAY
2:00 PM – 3:00 PM | SUNDAY, MONDAY, TUESDAY
10:00 AM – 11:00 AM | TUESDAY

Learn from industry innovators on how the transplant industry is transforming your daily work lives for tomorrow’s advancements. Attendees can expect to leave these sessions armed with cutting-edge information that will pave the way to the future of the industry. Each presentation will close with 3 takeaways on how their topic is impactful to the transplant community.

Attendee Profile
▶ Early Career
▶ Experienced Wanting to Learn More
▶ Mentor/Expert Wanting to Share Comments
▶ Interactive Debaters

MEET THE EXPERT
3:15PM – 4:00 PM | SATURDAY
4:30 PM – 5:15 PM | SATURDAY

Gain exclusive access to mentor experts in the field. These sessions are designed in an intimate round-table discussion setting — NO formal slide presentations. The purposeful layout is designed to allow interaction and discussion, while creating new connections.

Attendee Profile
▶ Early Career
▶ Mentor/Expert Wanting to Share Comments

LIMITED ATTENDANCE.

FOCUS IN TRANSPLANTATION
3:30 PM – 6:30 PM | SUNDAY, MONDAY

Deep dive into focused presentations on Basic and Translational science. Individual sessions on “Basic: ‘OMICS in Transplantation” and “Translational: Translational Role of Biomarkers in Immune Profiling” will be presented.

Attendee Profile
▶ Early Career
▶ Experienced Wanting to Learn More
▶ Mentor/Expert Wanting to Share Comments
CONTROVERSIES IN TRANSPLANTATION

10:15 AM – 11:15 AM | WEDNESDAY

Come experience top level experts debate controversial topics in both Basic and Translational and Public Policy science. Individual sessions on “Public Policy: Selflessness or Selfishness: What Philosophy Should Underpin Organ Donor Registration Initiatives?”, and “Basic & Translational: We Need Car T-cells to Effectively Desensitize High PRA Patients” will be presented.

Attendee Profile
▶ Early Career
▶ Experienced Wanting to Learn More
▶ Mentor/Expert Wanting to Share Comments
▶ Interactive Debaters

ORAL ABSTRACT PRESENTATIONS

▶ Oral abstracts submitted through the ATC abstract submission are presented orally with time for questions from the audience at the end of each presentation.
▶ Sessions are designed with specific topic driven presentations.

POSTER PRESENTATIONS

▶ Poster abstracts presentations will be displayed daily in the exhibit hall for viewing throughout the day.
▶ Poster presenters will be in front of their boards to provide in-person presentations each evening during Poster Sessions A – D.
▶ Poster boards are grouped together in locations with specific topics of interest.
STATEMENT OF NEED

The field of solid organ and tissue transplantation is continuously changing and developing. With the rapid advances in transplantation research and medicine, transplant professionals require ongoing educational opportunities to stay current, and to maintain and improve their knowledge, competence, and performance. Thus, this educational forum will generate activities and interventions that are designed to change and update the learners’ competence, performance, and patient outcomes in the field of solid organ and tissue transplantation. The educational content of this meeting was developed by experts in scientific and clinical transplantation and was determined by rigorous assessment of learners’ feedback from prior meetings, expert faculty assessment, literature review, medical practice, and new medical technology.

PURPOSE OF ACTIVITY

ATC educational offerings will provide transplant professionals a learning environment designed to address their professional practice gaps through a variety of learning formats that will encourage the exchange of new scientific concepts, emerging technologies, and medical advances. Learners will engage in interactive discussions, case presentations, workshops, and other activities designed to improve competence and professional and patient outcomes.

ACCREDITATION

ATC provides CME, ANCC, ACPE, and ABTC credits/contact hours. Yearlong access allows you to take advantage more than 100 credits/contact hours available! Continue to check the ATC website for final credit/contact hour details, www.atcmeeting.org.

CME

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Society of Transplant Surgeons (ASTS) and the American Society of Transplantation (AST). The American Society of Transplant Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The American Society of Transplant Surgeons designates this live activity for 100 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of participation in the activity.
STATE-OF-THE-ART SPEAKERS

PAUL I. TERASAKI
STATE-OF-THE-ART LECTURE

Nancy Ascher, MD, PhD
University of California San Francisco
Professor of Surgery
Division of Transplant Surgery
Isis Distinguished Professor in Transplantation

Presentation Title: United States’ Role in Global Transplantation

Sunday, June 5, 2022 | 11:30 am – 12:00 pm ET

Dr. Nancy Ascher has devoted her career to organ transplantation and transplant research. She is the first woman to have performed a liver transplant and has inspired many women in the medical field, especially in transplantation. She completed her undergraduate and medical education at the University of Michigan, Ann Arbor; and completed her general surgery residency and clinical transplantation fellowship at the University of Minnesota, where she later joined the faculty and became Clinical Director of the Liver Transplant Program. Dr. Ascher was recruited by the UCSF Department of Surgery and served as the Department Chair for 17 years.

Dr. Ascher is a fellow of the American College of Surgeons. She is a member of numerous other medical societies, including the Transplantation Society and the American Society of Transplant Surgeons, both of which she has served as President. She has also served on the Presidential Task Force on Organ Transplantation, Surgeon General’s Task Force on Increasing Donor Organs, and Secretary of Health and Human Services Advisory Committee on Organ Transplantation. Dr. Ascher is currently a member of the WHO Taskforce on Donation and Transplantation of Human Organs and Tissues.

THOMAS STARZL
STATE-OF-THE-ART LECTURE

Martine Rothblatt, PhD
Chairman/CEO/Founder, United Therapeutics Corp

Presentation Title: Creating the 1st Life-Saving Xenoeart Transplanted into a Person

Tuesday, June 7, 2022 | 11:30 am – 12:00 pm ET

Martine Rothblatt is the Chairperson & CEO of United Therapeutics Corporation (UT). She started UT to save her youngest child’s life from a rare illness after having previously created SiriusXM satellite radio and other satellite communications systems. She is also responsible for several innovations in aviation and architecture, including the design and piloting of an electric helicopter to Guinness world records and creating the world’s largest zero carbon footprint building. Her company is now saving hundreds of lives a year with medicines for pulmonary hypertension and neuroblastoma, and by restoring otherwise discarded donor lungs to transplantability. UT is also in pre-clinical development of manufactured kidneys, hearts and lungs to be delivered via autonomously flown electric vertical takeoff and landing (eVTOL) systems. Dr. Rothblatt led the efforts to create the first genetically-modified porcine hearts and kidneys transplanted into humans (xenotransplantation), resulting in a lifesaving xenoeart transplant in January 2022.

Dr. Rothblatt earned her Ph.D. in Medical Ethics from the Royal London College of Medicine and Dentistry after earning JD and MBA degrees from UCLA, which also recently awarded her the UCLA Medal, its highest honor. She is an inventor on several patents and the author of several books, the most recent of which pertain to artificial cognition and cyber-consciousness.
### MEETING-AT-A-GLANCE

The program schedule is built in Eastern Time Zone.

#### SATURDAY, JUNE 4, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 AM – 10:30 AM</td>
<td>In-Depth Symposia Part 1</td>
</tr>
<tr>
<td>10:30 AM – 11:00 AM</td>
<td>Break</td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>In-Depth Symposia Part 2</td>
</tr>
<tr>
<td>12:00 PM – 12:30 PM</td>
<td>Break</td>
</tr>
<tr>
<td>12:30 PM – 1:30 PM</td>
<td>Sponsored Satellite Symposia</td>
</tr>
<tr>
<td>1:30 PM – 2:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>2:00 PM – 3:00 PM</td>
<td>Late Breaking Clinical Trials Abstract Session</td>
</tr>
<tr>
<td>3:00 PM – 3:15 PM</td>
<td>Break</td>
</tr>
<tr>
<td>3:15 PM – 4:00 PM</td>
<td>Meet the Expert</td>
</tr>
<tr>
<td>4:00 PM – 4:30 PM</td>
<td>Break</td>
</tr>
<tr>
<td>4:30 PM – 5:15 PM</td>
<td>Meet the Expert</td>
</tr>
<tr>
<td>5:15 PM – 5:30 PM</td>
<td>Break</td>
</tr>
<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Poster Session A</td>
</tr>
<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Poster Chats Session 1</td>
</tr>
<tr>
<td>6:30 PM – 8:00 PM</td>
<td>ATC Women's Networking Event</td>
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#### SUNDAY, JUNE 5, 2022

<table>
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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 AM – 8:00 AM</td>
<td>IMPACT Sessions</td>
</tr>
<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Break</td>
</tr>
<tr>
<td>8:30 AM – 9:30 AM</td>
<td>Plenary Oral Abstract Session I</td>
</tr>
<tr>
<td>9:30 AM – 10:00 AM</td>
<td>Sponsor Networking</td>
</tr>
<tr>
<td>10:00 AM – 10:30 AM</td>
<td>AST Presidential Intro &amp; Address</td>
</tr>
<tr>
<td>10:30 AM – 11:30 AM</td>
<td>AST Achievement Awards &amp; Lifetime Achievement Awards</td>
</tr>
<tr>
<td>11:30 AM – 12:00 AM</td>
<td>State of the Art Lecture # 1</td>
</tr>
<tr>
<td>12:00 PM – 12:30 PM</td>
<td>Break</td>
</tr>
<tr>
<td>12:30 PM – 1:30 PM</td>
<td>Sponsored Satellite Symposia</td>
</tr>
<tr>
<td>1:30 PM – 2:00 PM</td>
<td>Break</td>
</tr>
<tr>
<td>2:00 PM – 3:00 PM</td>
<td>IMPACT Sessions</td>
</tr>
<tr>
<td>3:00 PM – 3:30 PM</td>
<td>Sponsor Networking</td>
</tr>
<tr>
<td>3:30 PM – 7:00 PM</td>
<td>Focus in Transplantation: Basic</td>
</tr>
<tr>
<td>3:30 PM – 5:00 PM</td>
<td>Rapid Fire Oral Abstract Sessions</td>
</tr>
<tr>
<td>5:00 PM – 5:30 PM</td>
<td>Break</td>
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<tr>
<td>5:30 PM – 7:00 PM</td>
<td>Rapid Fire Oral Abstract Sessions</td>
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<tr>
<td>6:30 PM – 8:00 PM</td>
<td>ASTS Town Hall</td>
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<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Poster Session B</td>
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<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Poster Chats Session 2</td>
</tr>
<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Sponsor Networking</td>
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#### MONDAY, JUNE 6, 2022

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<th>Time</th>
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<tr>
<td>7:00 AM – 8:00 AM</td>
<td>IMPACT Sessions</td>
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<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Break</td>
</tr>
<tr>
<td>8:30 AM – 9:30 AM</td>
<td>Plenary Oral Abstract Session 2</td>
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<tr>
<td>9:30 AM – 10:00 AM</td>
<td>Sponsor Networking</td>
</tr>
<tr>
<td>10:00 AM – 10:30 AM</td>
<td>ASTS Presidential Introduction &amp; Address</td>
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#### TUESDAY, JUNE 7, 2022

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>7:00 AM – 8:00 AM</td>
<td>IMPACT Sessions</td>
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<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Break</td>
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<tr>
<td>8:30 AM – 9:30 AM</td>
<td>Plenary Oral Abstract Session 3</td>
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<td>9:30 AM – 10:00 AM</td>
<td>Sponsor Networking</td>
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<td>10:00 AM – 11:00 AM</td>
<td>IMPACT Sessions</td>
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<td>11:00 AM – 11:15 AM</td>
<td>Break</td>
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<tr>
<td>11:15 AM – 11:30 AM</td>
<td>AJT Awards</td>
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<td>11:30 AM – 12:00 PM</td>
<td>State of the Art Lecture # 2</td>
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<tr>
<td>12:00 PM – 12:30 PM</td>
<td>Break</td>
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<td>12:30 PM – 1:30 PM</td>
<td>Sponsored Satellite Symposia</td>
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<td>1:30 PM – 2:00 PM</td>
<td>Break</td>
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<tr>
<td>2:00 PM – 3:00 PM</td>
<td>IMPACT Sessions</td>
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<td>3:00 PM – 3:30 PM</td>
<td>Sponsor Networking</td>
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<tr>
<td>3:30 PM – 5:00 PM</td>
<td>Rapid Fire Oral Abstract Sessions</td>
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<tr>
<td>4:30 PM – 5:30 PM</td>
<td>Year in Review</td>
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<td>5:00 PM – 5:30 PM</td>
<td>Break</td>
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<tr>
<td>5:30 PM – 6:30 PM</td>
<td>Rapid Fire Oral Abstract Sessions</td>
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<tr>
<td>6:30 PM – 7:00 PM</td>
<td>Break</td>
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<td>7:00 PM – 8:00 PM</td>
<td>Poster Session D</td>
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<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Poster Chats Session 4</td>
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<tr>
<td>7:00 PM – 8:00 PM</td>
<td>Sponsor Networking</td>
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#### WEDNESDAY, JUNE 8, 2022

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>7:00 AM – 8:00 AM</td>
<td>IMPACT Sessions</td>
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<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Break</td>
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<tr>
<td>8:30 AM – 9:30 AM</td>
<td>Plenary Session 4</td>
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<tr>
<td>9:30 AM – 9:45 AM</td>
<td>ATC People’s Choice Award</td>
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<tr>
<td>9:45 AM – 10:15 AM</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 AM – 11:15 AM</td>
<td>Controversies in Transplantation</td>
</tr>
<tr>
<td>11:15 AM – 11:45 AM</td>
<td>Break</td>
</tr>
<tr>
<td>11:45 AM – 12:30 PM</td>
<td>What’s Hot; What’s New</td>
</tr>
</tbody>
</table>
Program Topic: Pediatric

**In-Depth Symposia**
9:30 AM - 12:00 PM

Program Topic: Pediatric

**Pediatric to Adult Transition of Care - A Task Worthy of Sisyphus?**

9:30 AM - 12:00 PM
Moderators:
Lindsay King, MD, MPH, Duke University, Durham, NC, USA
Song Ong, MD, UAB, Birmingham, AL, USA

9:30 AM - 9:40 AM
All is Not Lost - Resources for Transition - Review of Best Practices and Resources to Guide the Process
Patience White, MD, MA, MACP, MACR, FAAP, Got Transition, Bethesda, MD, USA

9:40 AM - 9:50 AM
Developmental Considerations and High-risk Behaviors Surrounding Emerging Adulthood
Jennifer Vittorio, MD, Columbia University Medical Center, New York, NY, USA

9:50 AM - 10:00 AM
Outcomes Measures of Successful Health Care Transition and Approach to Retransplantation
Juliet Emamaullee, MD PhD, University of Southern California, Los Angeles, CA, USA

10:00 AM - 10:10 AM
This is How We Do it in Pediatrics: Lessons from the Real World
Ana Catalina Alvarez Elias, MD, MSc, The Hospital for Sick Children, Toronto, ON, Canada

10:10 AM - 10:30 AM
Live Q&A

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 11:10 AM
The Current State of Health Care Transition from the Adult Perspective: Practices, Barriers, and Outcomes
Josh Levitsky, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

11:10 AM - 11:20 AM
Health Care Transition from the Patient and Family Perspective
Julie Osborn, MD, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA

11:20 AM - 11:30 AM
A Framework for Transition of Care and the Transition Clinic
Beverly Kosmach-Park, DNP, RN, FAAN, Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA

11:30 AM - 11:40 AM
Continuation of Health Care Transition Following Transfer of Care
Hilda Fernandez, MD, MSCE, Columbia University Medical Center, New York, NY, USA

11:40 AM - 12:00 PM
Live Q&A

Program Topic: Liver

**Liver**

Living Donor Liver Transplantation in the United States 2021 and Beyond

9:30 AM - 12:00 PM
Moderators:
Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA
AnnMarie Liapakis, MD, Yale School of Medicine, Digestive Disease, New Haven, CT, USA

9:30 AM - 9:40 AM
Policy
Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA

9:40 AM - 9:50 AM
Special Considerations in Pediatric LDLT
Saeed Mohammad, MD, Northwestern University, Chicago, IL, USA

9:50 AM - 10:00 AM
Outcomes Measures of Successful Health Care Transition and Approach to Retransplantation
Juliet Emamaullee, MD PhD, University of Southern California, Los Angeles, CA, USA

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11:30 AM - 11:40 AM
Continuation of Health Care Transition Following Transfer of Care
Hilda Fernandez, MD, MSCE, Columbia University Medical Center, New York, NY, USA

11:40 AM - 12:00 PM
Live Q&A
9:50 AM - 10:00 AM
Waitlist Candidate Selection & Engagement
Dianne LaPointe Rudow, ANP-BC, DNP, CCTC,
Recanti/Miller Transplantation Institute, New York, NY, USA

10:00 AM - 10:30 AM
Live Q&A

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 11:10 AM
Safely Expanding the Donor Pool
Whitney Jackson, MD, University of Colorado, Aurora, CO, USA

11:10 AM - 11:20 AM
Optimizing Donor/Recipient Matching to Increase LDLT
Giuliano Testa, MD, FACS, MBA, Baylor University Medical Center, Dallas, TX, USA

11:20 AM - 11:30 AM
Training and Program Development
Mark Sturdevant, MD, MSc, University of Washington, Seattle, WA, USA

11:30 AM - 11:40 AM
Current Status of LDLT in the US
Taranjeet Klair, M.D., University of Texas Health San Antonio, San Antonio, TX, USA

11:40 AM - 12:00 PM
Live Q&A

Program Topic: Basic Science / Immunology & Translational

Aging

9:30 AM - 10:00 AM
Age-Associated B Cells: A T-bet-Dependent Effector with Roles in Protective and Pathogenic Immunity
Daniel Goldstein, MD, University of Michigan, Ann Arbor, MI, USA

9:40 AM - 9:50 AM
Aging and the Immune Response to Organ Transplantation
Hamid Rabb, MD, Johns Hopkins University School Medicine, Baltimore, MD, USA

9:50 AM - 10:00 AM
Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

10:00 AM - 10:10 AM
Aging Immune System and Organ Senescence
Laura Niedernhofer, MD, PhD, University of Minnesota, Minneapolis, MN, USA

10:10 AM - 10:30 AM
Live Q&A

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 11:10 AM
Aged Hematopoietic Stem Cells are Refractory to Bloodborne Systemic Rejuvenation Interventions
To be Determined

11:20 AM - 11:40 AM
Senolytics Prevent mt-DNA-Induced Inflammation and Promote the Survival of Aged Organs Following Transplantation
Stefan Tullius, MD, PhD, Brigham & Women's Hospital, Boston, MA, USA

11:30 AM - 12:00 PM
Role of Mitochondrial Stress in Metabolic T Cell Exhaustion
Greg Delgoffe, Ph.D, University of Pittsburgh, Pittsburgh, PA, USA

11:40 AM - 12:00 PM
The Mitochondrial Basics of Aging
To be Determined

11:40 AM - 12:00 PM
Live Q&A

Program Topic: Professional Development

Building Tomorrow’s Leaders – A Path Towards a Leadership Role in Transplantation

9:30 AM - 12:00 PM
Moderators:
Anshul Bhalla, MD, University of Tennessee Health Science Center, Memphis, TN, USA
Manpreet Samra, MD, MBA, Hines VA Kidney Transplant Program, Hines, IL, USA

9:30 AM - 9:40 AM
Medical Director - How to do it Right
Deborah Adey, M.D., UCSF, San Francisco, CA, USA

9:40 AM - 9:50 AM
Giving a New Lease to a Kidney Transplant Program
Uttam Reddy, MD, UC Irvine, Huntington Beach, CA, USA

9:50 AM - 10:00 AM
The Ins and Outs of a Kidney Transplant Program: Everything a Medical Director Needs to Know
Geraldine Zingraf, DNP, MBA, RN, CNN, CCTC, Edward Hines Jr. VA Hospital, Hines, IL, USA

10:00 AM - 10:30 AM
Live Q&A

10:30 AM - 11:00 AM
Coffee Break

11:00 AM - 11:10 AM
The Pharmacy Perspective - Current Training and Roles of Pharmacy in Transplantation and Transplant Infectious Diseases and How to Improve Pharmacy Utilization
Jennifer Byrns, PharmD, Duke University Hospital, Durham, NC, USA

11:10 AM - 11:20 AM
The APP Perspective - Current Training and Roles of APPs in Transplantation and Transplant Infectious Diseases and Novel Ways to Utilize APPs
Katherine Klingenberg, PA-C, MMS, University of Colorado, Aurora, CO, USA

11:20 AM - 11:30 AM
Improving Program Success with the Collaboration of Physicians, APPs, and Pharmacists
Kimberly Wescoe, PA-C, CAQ-Nephrology, Duke University Hospital, Durham, NC, USA

11:30 AM - 12:00 PM
Live Q&A

Program Topic: Kidney

Overcoming Traditional Paradigms in Living Donation – When do we Loosen the Belt?

9:30 AM - 10:30 AM
Moderators:
Angie Nishio Lucar, MD, University of Virginia Medical Center, Charlottesville, VA, USA
Ellen Shukhman, RN-BC, BSN, CCTC, Cedars-Sinai Hospital - Comprehensive Transplant Center, Los Angeles, CA, USA

9:30 AM - 9:40 AM
The Great Unknown - Living Donors With History of Cancer "Not all Cancers are Made Equal - Medical Considerations When Evaluating Donors With Certain Cancer Histories"
Kymberly Watt, MD, Mayo Clinic, Rochester, MN, USA

9:40 AM - 9:50 AM
Can Obese Candidates Become Suitable Donors Through Weight Loss? Short- versus Long-term Considerations "It is Just a Few Pounds! Weight Loss to Ideal BMI Reverses Risk"
Minh-Tri Nguyen, MD PhD, Loma Linda University Health, Loma Linda, CA, USA

9:50 AM - 10:00 AM
Can Obese Candidates Become Suitable Donors Through Weight Loss? Short- Versus Long-Term Considerations "The Point of no Return: Once Obese, Always at Risk"
Ann Bugeja, MD, The Ottawa Hospital, Ottawa, ON, Canada

10:00 AM - 10:30 AM
Live Q&A
10:30 AM - 11:00 AM  
Coffee Break

11:00 AM - 11:10 AM  
Increased Scrutiny for all Altruistic Donors: The Ethicist, Nephrologist and Patient Perspective "Ethical Point of View"  
Katrina Bramstedt, PhD, MA, Cedars Sinai; Khalifa University College of Medicine & Health Sciences, Abu Dhabi, United Arab Emirates

11:10 AM - 11:20 AM  
Increased Scrutiny For all Altruistic Donors: The Ethics, Nephrologist, Patient Perspective "Medical Point of View"  
Alexander Wiseman, MD, Centura Transplant, Denver, CO, USA

11:20 AM - 11:30 AM  
Anatomical Roadblocks to Safe Living Donation "Some Things Are Set in Stone: When to Say No!"  
Nicole Turgeon, MD, Dell Seton Medical Center at The University of Texas, Austin, TX, USA

11:30 AM - 11:40 AM  
APOL1 Genotyping in Living Donor Evaluation: Benefits and Appropriateness of Testing  
Mona Doshi, MBBS, University of Michigan, Ann Arbor, MI, USA

11:40 AM - 12:00 PM  
Live Q&A

Program Topic: Pharmacy

Transplant Pharmacy in 2022 and Beyond: Strategies to Optimize Performance Metrics and Characterize Pharmacist Activities Across the Transplant Continuum

9:30 AM - 12:00 PM  
Moderators:  
Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA  
April Pottebaum, PharmD, BCPS, Barnes-Jewish Hospital, St. Louis, MO, USA

9:30 AM - 9:40 AM  
More Than a Checkbox: Transplant Pharmacy Metrics in the Pre- and Peri-Transplant Setting  
Mary Chandran, PharmD, CPP, UNC Hospitals, Chapel Hill, NC, USA

9:40 AM - 9:50 AM  
Beyond the Basics: Emerging and Novel Transplant Pharmacy Metrics in the Acute Care Setting  
Lyndsey Bowman, PharmD, Tampa General Hospital, Tampa, FL, USA

9:50 AM - 10:00 AM  
More than A1c: Metrics and Scorecards in the Transplant Ambulatory Setting  
Danielle Lazear, PharmD, BCPS, Cincinnati Children’s Hospital, Cincinnati, OH, USA

10:00 AM - 10:30 AM  
Live Q&A

10:30 AM - 11:00 AM  
Coffee Break

11:00 AM - 11:10 AM  
Building the Dream Team: Expanding Transplant Pharmacy Services  
Tracy Sparkes, PharmD, BCTXP, University of Maryland Medical Center, Baltimore, MD, USA

11:10 AM - 11:20 AM  
Going Beyond the Basics: Expanding the Role of the Pharmacist to Research and QAPI Roles  
Tiffany Kaiser, PharmD, University of Cincinnati, Cincinnati, OH, USA

11:20 AM - 11:30 AM  
Priming Pharmacy Learners and New Practitioners to Become Pharmacy Leaders  
Jennifer Trofe-Clark, Pharm D, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

11:30 AM - 12:00 PM  
Live Q&A

Program Topic: Other

Summary of the Findings and Recommendations of the 2019 AST Consensus Conference “Pre-Existing Malignancy and Transplantation”
9:30 AM - 12:00 PM
Moderators:
David Al Adra, MD, PhD, University of Wisconsin, Madison, WI, USA
Christopher Blosser, MD, University of Washington Department of Medicine, Nephrology Division, Seattle, WA, USA

9:30 AM - 12:00 PM
Program Topic: Heart & Lung
Donation After Circulatory Death in Heart and in Lung Transplantation – The When, How and Why?

9:30 AM - 12:00 PM
Moderators:
Hannah Copeland, MD, Lutheran Hospital of Indiana/Indiana University School of Medicine Fort Wayne, Fort Wayne, IN, USA
Manreet Kanwar, MD, Allegheny General Hospital, Pittsburgh, PA, USA

9:30 AM - 12:00 PM
Eric Engels, MD, National Cancer Institute, Bethesda, MD, USA

11:30 AM - 11:40 AM
Future Directions - Mitigating the Effects of Malignancy in SOT Recipients and Pearls for Minimizing Cancer Risk
E. Steve Woodle, MD, University of Cincinnati Medical Center, Cincinnati, OH, USA

11:40 AM - 12:00 PM
Live Q&A
Today

Matthew Hartwig, MD, Duke University, Durham, NC, USA

11:10 PM - 11:20 PM
How Non-perfused DCD Lung Donation Adds to the Donor Pool
Shaf Keshavjee, MD, Toronto General Hospital, Toronto ON, Canada

11:20 AM - 11:30 AM
The State of Uncontrolled DCD Lung Transplantation From Around the World
Thomas Egan, MD, MSc., UNC at Chapel Hill, Chapel Hill, NC, USA

11:30 AM - 12:00 PM
Live Q&A

Program Topic: ID

Deep Dive Into Transplant Infectious Diseases

9:30 AM - 12:00 PM
Moderators:
Aruna Subramanian, MD, Stanford University, Stanford, CA, USA
Maheen Abidi, MBBS, University of Colorado Denver, Denver, CO, USA

9:30 AM - 9:40 AM
We Didn't Start the Fire: MDRO Outbreaks and Epidemiology in Transplantation
Arthur Baker, MD, MPH, Duke University School of Medicine, Durham, NC, USA

9:40 AM - 9:50 AM
Local Goes Global and Back: Outbreaks
Clarisse Machado, MD PhD, Institute of Tropical Medicine - University of São Paulo School of Medicine, São Paulo, Brazil

9:50 AM - 10:00 AM
Local Goes Global and Back: Public Health Emergencies
Sridhar Basavaraju, MD, CDC, Atlanta, GA, USA

10:00 AM - 10:10 AM
Local Goes Global and Back: Nosocomial Infections

Program Topic: All Topics

Sponsored Satellite Symposia

12:30 PM - 1:30 PM

Break
12:00 PM - 12:30 PM

Satellite Symposia
12:30 PM - 1:30 PM

Program Topic: All Topics

Sponsored Satellite Symposia

Break
1:30 PM - 2:00 PM

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
Late Breaking Clinical Trials Oral Abstract Session  2:00 PM - 3:00 PM

Program Topic: All Topics
Late Breaking Clinical Trials Abstract Session

Break  3:00 PM - 3:15 PM

Meet the Expert Sessions  3:15 PM - 4:00 PM

Program Topic: Lung
CLAD: It's a New World: Or Is It?

3:15 PM - 4:00 PM
Moderators:
Deborah Levine, MD, University of Texas, San Antonio, TX, USA
Norihisa Shigemura, MD, PHD, Temple University and Lewis Katz School of Medicine, Philadelphia, PA, USA

3:15 PM - 3:25 PM
Traditional and Novel Predictors of CLAD
Joshua Diamond, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA

3:25 PM - 3:35 PM
Treatment of CLAD - What Works and What Does Not
Laurie Snyder, MD, MHS, Duke University, Durham, NC, USA

3:35 PM - 4:00 PM
Live Q&A

Program Topic: Other
The Current State of Cancer & Transplantation

3:15 PM - 4:00 PM
Moderators:
Eric Engels, MD, National Cancer Institute, Bethesda, MD, USA
Germaine Wong, MBBS PhD FRACP, University of Sydney, Sydney, Australia

3:15 PM - 3:25 PM
Risks and Outcomes of Cancers in Transplant Recipients
Chris Blosser, MD, University of Washington, Seattle, WA, USA

3:25 PM - 3:35 PM
Screening Recommendations and Waiting Time for Transplant Candidates with History of Cancer
David Al Adra, MD, PhD, University of Wisconsin, Madison, WI, USA

3:35 PM - 3:45 PM
Cancer Immunotherapies and the Patient Experience in Organ Transplant Recipients with Cancer
Naoka Murakami, MD PhD, Brigham and Women's Hospital, Boston, MA, USA

3:45 PM - 4:00 PM
Live Q&A

Program Topic: Public Policy & Regulatory
The Great Debate: Islets as a Biologic or an Organ for Transplant. Time for an Answer!

3:15 PM - 4:00 PM
Moderators:
Giulio Romeo, MD, Joslin Diabetes Center; Beth Israel Deaconess Medical Center, Boston, MA, USA
Robert Harland, MD, University of Arizona College of Medicine, Tucson, AZ, USA

3:15 PM - 3:25 PM
The Past, Present and Future of Islet Transplantation
Ronald Parsons, MD, Emory University School of Medicine, Atlanta, GA, USA

3:25 PM - 3:35 PM
Islets are a Biologic and Should be Regulated Solely by the FDA
David Harlan, MD, University of Massachusetts Chan School of Medicine, Worcester, MA, USA

3:35 PM - 3:45 PM
If it Demands Immunosuppression, It’s a Transplant and
the OPTN Should Monitor

Piotr Witkowski, MD, PhD, University of Chicago Medicine, Chicago, IL, USA

3:45 PM - 4:00 PM
Live Q&A

Program Topic: Professional Development

Looking Under the Hood of High Impact Research: From Idea to AJT Publication

3:15 PM - 4:00 PM
Moderators:
Carli Lehr, MD, MS, Cleveland Clinic, Cleveland, OH, USA
Deepika Devuni, UMass Memorial Health Care, Worcester, MA, USA

3:15 PM - 3:25 PM
How to Get Published in AJT
Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

3:25 PM - 3:35 PM
Editorial Fellowship: How to Get Involved as a Trainee and Young Faculty
Samira Farouk, MD, MS, FASN, Icahn School of Medicine at Mount Sinai, New York, NY, USA

3:35 PM - 4:00 PM
Live Q&A

Laura Stillion, MHA, The Ohio State University Medical Center, Columbus, OH, USA

3:15 PM - 3:25 PM
Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population
Marilyn McEnhill, MSN, NP, UCSF Benioff Children's Hospital, San Francisco, CA, USA

3:25 PM - 3:35 PM
Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population
Jessica Brennan, NP, MSN, UCSF, San Francisco, CA, USA

3:35 PM - 4:00 PM
Live Q&A

Program Topic: Pediatric

Technically Challenging Cases in Pediatric Abdominal Transplantation: Pearls and Pitfalls

3:15 PM - 4:00 PM
Moderators:
Sarah Bellemare, MD, Montefiore Medical Center, Bronx, NY, USA
Christine Hwang, MD, University of Texas Southwestern Medical Center at Dallas, Dallas, TX, USA

3:15 PM - 3:25 PM
Case I: Technical Challenges of Low Portal Vein Flow in Pediatric Liver Transplantation
Clark Bonham, MD, Stanford University Medical Center, Palo Alto, CA, USA

3:25 PM - 3:30 PM
Case I: Technical Challenges of Low Portal Vein Flow in Pediatric Liver Transplantation - Expert
Srinath Chinnakotla, MD, University of Minnesota, Edina, MN, USA

3:30 PM - 3:35 PM
Live Q&A

3:35 PM - 3:45 PM
Case II: Infant Kidney with IVC Thrombosis, Vascular Anastomosis: How to Choose the Site for Vascular Anastomosis

Program Topic: APP

Improving Access and Ensuring Successful Outcomes in the Undocumented Immigrant Pediatric Population

3:15 PM - 4:00 PM
Moderators:
Caron Burch, RN, MSN, FNP, CCTC, Lucile Packard Children's Hospital Stanford, Redwood City, CA, USA
Bhargava Mullapudi, MD, Children’s Mercy Hospital, Kansas City, MO, USA

3:45 PM - 3:50 PM
Case II: Infant Kidney with IVC Thrombosis, Vascular Anastomosis: How to Choose the Site for Vascular Anastomosis - Expert
Jaimie Nathan, MD, Nationwide Children's Hospital, Columbus, OH, USA

3:50 PM – 4:00 PM
Live Q&A

Program Topic: Heart
Consideration of Durable MCS Versus Transplantation in Patients Who are Marginal Transplant Candidates

3:15 PM – 3:35 PM
Consideration of Durable MCS Versus Transplantation in Patients Who are Marginal Transplant Candidates
Christian Bermudez, Professor of Surgery, Hospital of the University of Pennsylvania, Philadelphia, PA, USA

3:35 PM - 4:00 PM
Live Q&A

Program Topic: ID
Learning Through Lived Experience: The Value of Perspectives from Transplant Recipient-Physicians

3:15 PM - 4:00 PM
Moderators:
Robert Montgomery, MD, FACS, DPhil, NYU Langone Transplant Institute, New York, NY, USA
Silke Niederhaus, MD, University of Maryland School of Medicine, Baltimore, MD, USA

3:15 PM - 3:25 PM
Considerations for Immunosuppressed Healthcare

Workers During the COVID19 Pandemic
Ken Sutha, MD, PhD, Stanford University School of Medicine, Palo Alto, CA, USA

3:25 PM - 3:35 PM
Why Delay Vaccine Trials in Transplant Patients?
Trine Engebretsen, MD, University of Texas Medical Branch, Galveston, TX, USA

3:35 PM - 4:00 PM
Live Q&A

Break
4:00 PM - 4:30 PM

Meet the Expert Sessions
4:30 PM - 5:15 PM

Program Topic: Pancreas & Liver
3D Bioprinting – Perspectives of Clinical Application

4:30 PM - 4:50 PM
3D Bioprinting - Perspectives of Clinical Application
Michal Wszola, PhD, Foundation of Research and Science Development, Warsaw, Poland

4:30 PM - 4:50 PM
3D Bioprinting - Perspectives of Clinical Application
Ibrahim Ozbolat, Professor, Penn State University, University Park, PA, USA

4:50 PM - 5:15 PM
Live Q&A

Program Topic: Pediatric & ID
Persistent Epstein-Barr Virus infection: Will the Despair Ever Dissipate?

4:30 PM - 5:15 PM
Moderators:
Priya Verghese, MBBS (MD), MPH, Northwestern University, Feinberg School of Medicine, Chicago, IL, USA
Upton Allen, MBBS, MSc, FAAP, University of Toronto, Toronto, ON, Canada
4:30 PM - 4:40 PM
Understanding a Positive EBV DNA Test Result Under WHO Standard and International Units
Michael Green, MD, MPH, FAST, FIDSA, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

4:40 PM - 4:50 PM
What to do With Persistent EBV Infection at Retransplant Evaluation
Vikas Dharnidharka, MD, MPH, Washington University in St. Louis, St. Louis, MO, USA

4:50 PM - 5:15 PM
Live Q&A

Program Topic: Professional Development
Promoting Equity for Women in Healthcare

4:30 PM - 5:15 PM
Moderators:
Christina Klein, Md, Piedmont, Atlanta, GA, USA
Nicole Alvey, PharmD, BCTXP, FAST, Rush University Medical Center, Chicago, IL, USA

4:30 PM - 4:40 PM
Promoting Equity for Women in Healthcare
Vineeta Kumar, MD, University of Alabama at Birmingham, Birmingham, AL, USA

4:40 PM - 4:50 PM
Promoting Equity for Women in Healthcare
Ersilia DeFilippis, MD, Columbia University Medical Center, New York, NY, USA
4:50 PM - 5:15 PM
Live Q&A

Program Topic: Liver
Finding Room to Breathe: Liver Disease and Transplantation in Cystic Fibrosis

4:30 PM - 5:15 PM
Moderators:
Lindsay King, MD, MPH, Duke University, DURHAM, NC, USA

Program Topic: ID
When Standard Therapies Fail: Turn to Phage and Adopt T Cell Therapies

4:30 PM - 5:15 PM
Moderators:
Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA
Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

4:30 PM - 4:40 PM
New Kid on the Block: Phage Therapies for MDROs
Saima Aslam, MD, MS, UCSD, San Diego, CA, USA

4:40 PM - 4:50 PM
New Kids on the Block: Novel Therapies for MDROs
Ghady Haidar, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

4:50 PM - 5:15 PM
Live Q&A

Program Topic: Psychosocial & Ethics
Galvanizing the Transplant Professional Community to Address Racism and Racial Disparities in Transplantation

Ryan Fischer, MD, Children's Mercy Kansas City, Kansas City, MO, USA

4:30 PM - 4:40 PM
Cystic Fibrosis and Its Comorbidities: Defining Disease in Children and Adults
Joshua Blatter, MD, MPH, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

4:40 PM - 4:50 PM
Impact of Nutritional Status on Pediatric and Adult CF Patients Undergoing Liver Transplant
Emily Perito, MD, MAS, UCSF, San Francisco, CA, USA

4:50 PM - 5:15 PM
Live Q&A
4:30 PM - 5:15 PM
Moderators:
Velma Scantlebury, MD, FACS, Texas Christian University, Newark, MA, USA
Andre Dick, MD, MPH, Seattle Children's Hospital and University of Washington, Seattle, WA, USA

When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor

Laura Butler, MSN MMHC FNP-BC, Montefiore Einstein Center for Transplantation, New York, NY, USA

4:30 PM - 5:15 PM
Moderators:
To be Determined

4:30 PM - 4:40 PM
When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor
Laura Butler, MSN MMHC FNP-BC, Montefiore Einstein Center for Transplantation, New York, NY, USA

4:40 PM - 4:50 PM
When the Provider Becomes the Patient: Lessons Learned as a Transplant Recipient and Donor
Toni Bowling, MSN, APRN, FNP-C, Dartmouth-Hitchcock Medical Center, Lebanon, NH, USA

4:50 PM - 5:15 PM
Live Q&A

Break
5:15 PM - 5:30 PM

Sponsor Networking
5:30 PM - 7:00 PM

Program Topic: All Topics

Poster Session A
5:30 PM - 7:00 PM

Poster Session A Presenters in Attendance

- **Administrative**: Quality Assurance Process Improvement & Regulatory Issues
- **Basic Science / Immunology**: Acute Rejection
- **Basic Science / Immunology**: Tissue Engineering and Regenerative Medicine
- **Basic Science / Immunology**: Ischemia Reperfusion
- **ID**: All Infections (Excluding Kidney & Viral Hepatitis) I
- **Kidney**: Deceased Donor Allocation
- **Kidney**: Deceased Donor Selection
- **Kidney**: Cardiovascular and Metabolic Complications
- **Kidney**: Living Donor: Long Term Outcomes
- **Kidney**: Pediatrics
- **Kidney**: Complications: Immune Mediated Late Graft Failure
- **Liver**: Retransplantation and Other Complications
- **Liver**: Recipient Selection
- **Liver**: Expanding the Donor Pool* (Liver: MELD Allocation / Donor Issues)
- **Organ Inclusive**: Non-Organ Specific: Organ Preservation/Ischemia Reperfusion Injury
**Poster Chat Sessions**  
5:30 PM - 7:00 PM

Program Topic: All Topics  
Poster Chat Sessions  
2 Sessions with Poster Presentations and Audience Question & Answer

**ATC's Women's Networking Event**  
6:30 PM - 8:00 PM

Program Topic: Professional Development & Women's Health  
ATC’s Women's Networking Event

**Sunday, June 5, 2022**

**IMPACT Sessions**  
7:00 AM - 8:00 AM

Program Topic: Kidney  
Interpreting Living Donor Kidney Function at Evaluation: One Size Fits All OR Individualized Thresholds/GFR Cut Offs for Age, Gender and Size?

7:00 AM - 7:10 AM  
Moderators:  
**Vineeta Kumar, MD**, University of Alabama At Birmingham, Birmingham, AL, USA  
**Nicola Leca, MD**, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM  
Setting the Stage: We are all Doing it Differently - Continue with the Status Quo or is There a Need to Further Specify How to Evaluate Kidney Function?  
**Emilio Poggio, MD**, Cleveland Clinic, Cleveland, OH, USA

7:10 AM - 7:20 AM  
Pro: One Size Does Not Fit All! It is Time for Age, Gender and Body Size Based Kidney Function Assessment!  
To be Determined

7:20 AM - 7:30 AM  
Con: Why Fix Something That is Not Broken? Single GFR Thresholds Have Served Us Well So Far!  
**Jane Tan, MD**, Stanford University, Stanford, CA, USA

7:30 AM - 7:35 AM  
Rebuttal: Pro

7:35 AM - 7:40 AM  
Rebuttal: Con

7:40 AM - 8:00 AM  
Live Q&A

**Program Topic: Translational**  
**Stem Cells in Transplantation**

7:00 AM - 8:00 AM  
Moderators:  
**Heidi Yeh, MD**, Massachusetts General Hospital, Boston, MA, USA  
**Suzanne Ildstad, MD**, University of Louisville, Louisville, KY, USA

7:00 AM - 7:10 AM  
Stem Cells in Ex Vivo Organ Perfusion  
**Giuseppe Orlando, MD, PhD**, Wake Forest Baptist Medical Center, Winston-Salem, NC, USA

7:00 AM - 7:10 AM  
Stem Cells and Tolerance Induction  
**Joseph Leventhal, MD, PhD FACS**, Northwestern Medicine, Chicago, IL, USA

7:10 AM - 7:20 AM  
Stem Cells and Pancreatic Islet Cell Transplantation  
**Jon Odorico, MD**, University of Wisconsin Hospital & Clinic, Madison, WI, USA

7:20 AM - 7:30 AM  
Stem Cells and Pancreatic Islet Cell Transplantation  
**Jon Odorico, MD**, University of Wisconsin Hospital & Clinic, Madison, WI, USA

7:30 AM - 8:00 AM  
Live Q&A
Program Topic: Heart

Donor-Derived Cell Free - DNA – Thinking Outside of the Box: Lessons to be Learned

7:00 AM - 8:00 AM
Moderators:
Eileen Hsich, MD, Cleveland Clinic, Shaker Heights, OH, USA
Inna Tchoukina, MD, Virginia Commonwealth University, Richmond, VA, USA

7:00 AM - 7:10 AM
Setting the Stage: Gene Expression Profiling and Cell-free DNA in Solid Organ Transplantation
Palak Shah, MD, MS, Inova Heart and Vascular Institute, Falls Church, VA, USA

7:10 AM - 7:20 AM
Pro: Out with the Old, In with the New! Histopathology is so 1980s!
Shelley Hall, MD, Baylor Dallas, Dallas, TX, USA

7:20 AM - 7:30 AM
Con: If It Ain't Broke, Don't Fix It: The Times for cf-DNA are Yet to Come - We Need More Data!
Mandeep Mehra, MD, MSc, FRCP, Brigham and Women, Harvard, Boston, MA, USA

7:30 AM - 7:35 AM
Rebuttal: Pro

7:35 AM - 7:40 AM
Rebuttal: Con

7:40 AM - 8:00 AM
Live Q&A

Program Topic: Liver

Substance Use Among Transplant Candidates: Challenges Faced in Pre-transplant Evaluation and Post-transplant Care

7:00 AM - 8:00 AM
Moderators:
Kristin Kuntz, Ph.D., Ohio State University Medical Center, Columbus, OH, USA
Pratima Sharma, MD, MS, University of Michigan Health System, Ann Arbor, MI, USA

7:00 AM - 8:00 AM
Moderators:
Kristin Kuntz, Ph.D., Ohio State University Medical Center, Columbus, OH, USA
Pratima Sharma, MD, MS, University of Michigan Health System, Ann Arbor, MI, USA

7:00 AM - 8:00 AM
Moderators:
Anna Morris, PhD, Emory University, Atlanta, GA, USA
Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM
OPDs use: Implications in transplant candidacy and post-transplant care
Monica Tincopa, MD MSc, University of California Los Angeles, Los Angeles, CA, USA

7:10 AM - 7:20 AM
Biomarkers of Alcohol Use: Monitoring Sobriety on the List and After Liver Transplant
Deepika Devuni, MD, UMass Chan Medical School, Worcester, MA, USA

7:20 AM - 7:30 AM
Balancing Act of Psychosocial Evaluation: Alcohol, Marijuana Use and Mental Disorder
Marina Serper, MD, MS, University of Pennsylvania, Philadelphia, PA, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Basic Science / Immunology

Harnessing the Potential of Tregs: Regulating the Regulators

7:00 AM - 8:00 AM
Moderators:
Anna Morris, PhD, Emory University, Atlanta, GA, USA
Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM
CARTregs- What’s New?
To be Determined

7:10 AM - 7:20 AM
IL-10 and Tregs
Fadi Issa, MD, DPhil, FRCS, University of Oxford, Oxford, United Kingdom

7:20 AM - 7:30 AM
Chromatin Modulation for Regulation of Treg Function
Wayne Hancock, MD PhD, Children's Hospital of Philadelphia, Philadelphia, PA, USA
7:30 AM - 8:00 AM
Live Q&A

Program Topic: APP
Stepping into Research: Advancing a Clinical Question to Publication

7:00 AM - 8:00 AM
Moderators:
To be Determined

7:00 AM - 7:10 AM
Defining a Clinical Question: Where do I go from Here?
Amanda Chaney, DNP, APRN, FAANP, AF-AASLD,
Mayo Clinic, Jacksonville, FL, USA

7:10 AM - 7:20 AM
A Guide to Navigation from the IRB to the Data Set
Kristen Ryland, BS BSN MSN NP, Mayo Clinic,
Jacksonville, FL, USA

7:20 AM - 7:30 AM
From Statistical Analysis to Presentation and Publication:
Delivering the Data
To be Determined

7:30 AM - 8:00 AM
Live Q&A

Program Topic: ID
Safe Living After Transplant

7:00 AM - 8:00 AM
Moderators:
Priya Kodiyanplakkal, MD, Weill Cornell Medicine,
New York, NY, USA
Yoram Puius, MD, PhD, Montefiore Medical Center,
Bronx, NY, USA

7:00 AM - 7:10 AM
Setting the Stage: Overview of Safe Living after Transplantation
Jessica Lum, MD, Cleveland Clinic Foundation,
Cleveland, OH, USA

7:10 AM - 7:20 AM
Pro: Yes, the Recipient Can Proceed!
Nancy Law, D.O, M.P.H, University of California, San
Diego, San Diego, CA, USA

7:20 AM - 7:30 AM
Con: No, the Recipient Should Defer!
Joanna Schaenman, MD, PhD, David Geffen School of
Medicine at UCLA, Los Angeles, CA, USA

7:30 PM - 7:35 PM
Pro: Rebuttal

7:35 PM - 7:40 PM
Con: Rebuttal

7:40 PM - 8:00 PM
Live Q&A

Program Topic: Kidney
Should Frailty and Cognition Status Determine Transplant Eligibility

7:00 AM - 8:00 AM
Moderators:
Michelle Josephson, MD, University of Chicago,
Chicago, IL, USA
Richard Formica, MD, Yale Univ School of Medicine,
New Haven, CT, USA

7:00 AM - 7:10 AM
Overview - Should Frailty and Cognition Status Determine Transplant Eligibility
Darshana Dadhania, MD, MS, Weill Cornell Medicine -
NYPH, New York, NY, USA

7:10 AM - 7:20 AM
Pro - Should Frailty and Cognition Status Determine Transplant Eligibility
Mara McAdams-DeMarco, PhD, Hopkins, Baltimore,
MD, USA

7:20 AM - 7:30 AM
Con - Should Frailty and Cognition Status Determine Transplant Eligibility
Aditi Gupta, MD, MS, University of Kansas Medical
Center, Kansas City, KS, USA
Program Topic: Pediatric

Is Obesity a Contraindication to Transplant in Children or Can it be Managed?

7:00 AM - 8:00 AM
Moderators:
Nicole Hayde, MD, MS, Montefiore Medical Center, Bronx, NY, USA
Amrish Jain, MD, Children’s Hospital of Michigan, Detroit, MI, USA

7:00 AM - 7:10 AM
Obesity, Access to Transplant and Post-Transplant Outcomes
Jayme Locke, MD MPH, University of Alabama at Birmingham Heersink School of Medicine, Birmingham, AL, USA

7:10 AM - 7:20 AM
Medical Management of Obesity in Pediatric Transplantation
Kristen Sgambat, Ph.D., Children’s National, Washington DC, DC, USA

7:20 AM - 7:30 AM
Bariatric Surgery and Timing in Relation to Transplant
Cornelia Griggs, MD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Psychosocial & Ethics

Shared Decision Making after Failing Transplants

7:00 AM - 8:00 AM
Moderators:
Krista Lentine, MD, PhD, Saint Louis University, St. Louis, MO, USA

Program Topic: Public Policy & Regulatory

Organ Allocation in the U.S.: A New Path Forward

7:00 AM - 8:00 AM
Moderators:
James Alcorn, JD, UNOS, Richmond, VA, USA
Maryam Valapour, MD, MPP, The Cleveland Clinic, Cleveland, OH, USA

7:10 AM - 7:20 AM
Continuous Distribution of Lungs
Erika Lease, MD, FCCP, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM
Heart Allocation Changes: Impact on Heart Transplantation in the U.S.
Richard Daly, M.D., Mayo Clinic, Rochester, MN, USA

7:20 AM - 7:30 AM
Continuous Distribution of Livers: Current Status
James Pomposelli, MD, PhD, University of Colorado, Aurora, CO, USA

7:30 AM - 7:40 AM
Continuous Distribution of Kidneys: Current Status
Martha Pavlakis, MD, FAST, FASN, BIDMC, Boston,
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<th>Time</th>
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<tr>
<td>7:40 AM - 8:00 AM</td>
<td>Live Q&amp;A</td>
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<td><strong>Program Topic: Pharmacy</strong></td>
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<td>Co-Stimulatory Inhibitor Pearls and Perplexities</td>
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<td>7:00 AM - 8:00 AM</td>
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<td><strong>David Taber, PharmD, MS</strong>, Med University of South Carolina, Charleston, SC, USA</td>
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<td><strong>Dana Pierce, PharmD</strong>, University of Illinois at Chicago, Chicago, IL, USA</td>
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<td>7:00 AM - 7:10 AM</td>
<td>Belatacept Outcome Expectations with Obesity</td>
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<td><strong>Alicia Lichvar, PharmD, MS, BCPS, BCTXP</strong>, University of California San Diego, San Diego, CA, USA</td>
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<td>7:10 AM - 7:20 AM</td>
<td>Non-Renal Use of Belatacept: Playing with Fire?</td>
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<td><strong>Kristi Beermann, PharmD, BCPS, BCTXP</strong>, Duke University Hospital, Durham, NC, USA</td>
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<td>7:20 AM - 7:30 AM</td>
<td>Belatacept Dosing Intervals: Can You Stretch Without Sacrifice?</td>
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<td><strong>Ronald Parsons, MD</strong>, Emory University School of Medicine, Atlanta, GA, USA</td>
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<td>7:30 AM - 7:40 AM</td>
<td>Belatacept Roadmap With Plasmapheresis</td>
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<td><strong>Simon Tremblay, PharmD, PhD</strong>, CTI Clinical Trial &amp; Consulting, Covington, KY, USA</td>
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<td>7:40 AM - 8:00 AM</td>
<td>Live Q&amp;A</td>
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<td>8:00 AM - 8:30 AM</td>
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<td><strong>Plenary Oral Abstract Session</strong></td>
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<td><strong>Program Topic: All Topics</strong></td>
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<td><strong>Plenary Oral Abstract Session 1</strong></td>
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<td>9:30 AM - 10:00 AM</td>
<td><strong>Sponsor Networking</strong></td>
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<td>10:00 AM - 10:30 AM</td>
<td><strong>AST Presidential Address</strong></td>
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<td>10:30 AM - 11:30 AM</td>
<td><strong>AST Achievement Awards &amp; Lifetime Achievement Awards</strong></td>
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<td>11:30 AM - 12:00 PM</td>
<td><strong>State-of-the-Art Lecture #1</strong></td>
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<td><strong>Program Topic: Other</strong></td>
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<td><strong>Paul I. Terasaki State-of-the-Art Lecture</strong></td>
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<td><strong>Sponsored by the Terasaki Innovation Center</strong></td>
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<td>11:30 AM - 12:00 PM</td>
<td><strong>United States’ Role in Global Transplantation</strong></td>
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<td><strong>Nancy Ascher, MD PhD</strong>, University of California San Francisco, San Francisco, CA, USA</td>
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<td><strong>Break</strong></td>
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**Break**
1:30 PM - 2:00 PM

**IMPACT Sessions**
2:00 PM - 3:00 PM

**Program Topic: ID**

**Updates and Controversies in Cytomegalovirus**

2:00 PM - 3:00 PM
Moderators:
Tirdad Zangeneh, DO, MA, FACP, FIDSA, FAST, University of Arizona, Tucson, AZ, USA
Elena Beam, M.D, Mayo Clinic College of Medicine, Rochester, MN, USA

2:00 PM - 2:10 PM
**Novel CMV Therapeutics**
Maheen Abidi, MBBS, University of Colorado Denver/Anschutz Medical Campus, Denver, CO, USA

2:10 PM - 2:20 PM
**Use of Immune Monitoring Assays for CMV**
Camille Kotton, MD, Massachusetts General Hospital, Boston, MA, USA

2:20 PM - 2:30 PM
**Cytotoxic T Lymphocyte Therapy for CMV**
Jennifer Horan Saullo, MD, PharmD, Duke University Medical Center, Greensboro, NC, USA

2:30 PM - 3:00 PM
Live Q&A

**Program Topic: Pharmacy**

**Navigating the Role of Biologics and Biosimilars in Solid Organ Transplant Recipients**

2:00 PM - 3:00 PM
Moderators:
Suhail Shaikh, PharmD, BCPS, Keck Medicine of USC, Los Angeles, CA, USA
Ashley Vo, PharmD, FAST, Cedars Sinai Medical Center, Los Angeles, CA, USA

2:00 PM - 2:10 PM
**Regulatory and Clinical Considerations for Biologics and Biosimilars in Transplantation**
Stacy Bernard, PharmD, BCPS, BCTXP, Mayo Clinic, Rochester, MN, USA

2:10 PM - 2:20 PM
**Management of TNF-Alpha Inhibitors in Transplant Recipients**
Matt Harris, PharmD, MHS, BCPS, Duke Health, Durham, NC, USA

2:20 PM - 2:30 PM
**Considerations for use of JAK Inhibitors and IL-6 Antagonists with Transplant Immunosuppression**
Carlo Iasella, PharmD, MPH, University of Pittsburgh, Pittsburgh, PA, USA

2:30 PM - 3:00 PM
Live Q&A

**Program Topic: APP**

**Advanced Practice Providers in Transplant Leadership Roles**

2:00 PM - 3:00 PM
Moderators:
Elizabeth Stearns, PA-C, MSPAS, MBA, Mayo Clinic Hospital Arizona, Scottsdale, AZ, USA
Martha Tankersley, MSN, RN, UAB Comprehensive Transplant Institute, Birmingham, AL, USA

2:00 PM - 2:10 PM
**Paving the Way: Key Steps in Moving from Advanced Practice Provider to Program Director**
To be Determined

2:10 PM - 2:20 PM
**How to Lead Effectively as an Advanced Practice Provider**
To be Determined

2:20 PM - 2:30 PM
**Essentials of Transplant Regulation and Operation**
To be Determined

2:30 PM - 3:00 PM
Live Q&A
**Program Topic: Translational**

**Advances in Liver Regeneration**

**2:00 PM - 3:00 PM**

**Moderators:**
Keri Lunsford, MD, PhD, FACS, Rutgers New Jersey, Newark, NJ, USA  
Austin Schenk, MD, PhD, Ohio State, Columbus, OH, USA

**2:00 PM - 2:10 PM**

Somatostatin Protects Porcine Livers in Small-for-Size Liver Transplantation  
Constantino Fondevila, MD, Hospital Clinic Barcelona, Barcelona, Spain

**2:10 PM - 2:20 PM**

Purinergic Signaling and Vascular Reconstitution in Liver Regeneration  
Simon Robson, M.D. Ph.D FRCP, Harvard and BIDMC, Weston, MA, USA

**2:20 PM - 2:30 PM**

The Hippo Pathway: A Master Regulator of Liver Metabolism, Regeneration, and Disease  
Mamatha Bhat, MD, PhD, UHN, Toronto, ON, Canada

**2:30 PM - 3:00 PM**

Live Q&A

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**Program Topic: Other**

**Strategies for Reducing Blood Loss During Transplant and Serving the Transfusion-Free Community**

**2:00 PM - 3:00 PM**

**Moderators:**
Helen Te, MD, University of Chicago Medicine, Chicago, IL, USA  
Helen Han, MD, USC, Los Angeles, CA, USA

**2:00 PM - 2:10 PM**

Considerations from JW perspective  
Randy Henderson, Keck Medicine of USC, Los Angeles, CA, USA

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**Program Topic: Liver**

**Transplant Oncology – Expanding Indications for Liver Transplant**

**2:00 PM - 3:00 PM**

**Moderators:**
Anjana Pillai, MD, University of Chicago Medicine, Chicago, IL, USA  
Parissa Tabrizian, MD, MSc, FACS, Mount Sinai Medical Center, New York, NY, USA

**2:00 PM - 2:10 PM**

Liver Transplant for Intrahepatic Cholangiocarcinoma - Where Do We Draw the Line?  
Talia Baker, MD, University of Utah, Salt Lake City, UT, USA

**2:10 PM - 2:20 PM**

Neuroendocrine Tumors and LT - When Do We Pull the Trigger?  
John Fung, MD, PhD, University of Chicago, Chicago, IL, USA

**2:20 PM - 2:30 PM**

Liver Transplant for Metastatic Colorectal Cancer - Is it Ready for Prime Time?  
Roberto Hernandez-Alejandro, MD, University of
Program Topic: Lung
Obtaining the Transplant Dream - Can We Tackle the Contraindications in Heart and Lung Transplant Candidates?

2:00 PM - 3:00 PM
Moderators:
Samir Sultan, DO, University of Wisconsin, Madison, WI, USA
Patricia Chang, MD, MHS, University of North Carolina, Chapel Hill, NC, USA

2:00 PM - 2:10 PM
Is Obesity A "No" for Heart or Lung Transplant?  
Maria Crespo, MD, Medical Director, Lung Transplant, University of Pennsylvania, Philadelphia, PA, USA

2:10 PM - 2:20 PM
Crowdfunding for Transplant  
Ishna Poojary, MD, Ochsner Health System, New Orleans, LA, USA

2:20 PM - 2:30 PM
The "High" Debate: Marijuana Use in Transplant Candidates  
Eileen Hsich, MD, Cleveland Clinic, Cleveland, OH, USA

Program Topic: Heart
Use of mTORs in Heart Transplantation - Who and When and How

2:00 PM - 3:00 PM
Moderators:
Howard Eisen, MD, Pennsylvania State University, Hershey, PA, USA
Kent Botkin, PharmD, BCPS, BCTXP, Barnes-Jewish Hospital, Saint Louis, MO, USA

2:00 PM - 2:10 PM
The WHO: Who Will Benefit From mTORs?  
Georgina Waldman, PharmD, MGH, Boston, MA, USA

2:10 PM - 2:20 PM
The WHEN: Once We Know Who We Want it for, When is the Ideal Time to Start it?  
Naveen Pereira, MD, Mayo Clinic Rochester, Rochester, MN, USA

2:20 PM - 2:30 PM
The HOW: Is More Better? Once we Know Who and When, Do We Add to Triple Drug Immunosuppression? Or Do We Substitute a CNI or Cell Cycle Inhibitor for an mTOR Inhibitor?  
Jignesh Patel, MD, PhD, Cedars-Sinai Heart Institute, Los Angeles, CA, USA

Program Topic: Kidney
Recurrent Glomerular Disease After Kidney Transplantation: Application of Genetic Testing, Risk Stratification, Preventing Strategies and Novel Therapeutics for Disease Recurrence

2:00 PM - 3:00 PM
Moderators:
Neeraj Singh, MD, Willis-Knighton Health System, Shreveport, LA, USA
Carrie Schinstock, Medical Doctor, Mayo Clinic Rochester, Rochester, MN, USA

2:00 PM - 2:10 PM
Updates on Atypical HUS and C3GN: From Diagnosis Pre-Transplant to Prevention and Management Post-Transplant  
Anuja Java, MD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA
2:10 PM - 2:20 PM
Plasma Cell Dyscrasias: Which Disease Phenotypes can be Transplanted Safely with Manageable Risk of Recurrence?
Elizabeth Lorenz, MD, Mayo Clinic Rochester, MN, Rochester, MN, USA

2:20 PM - 2:30 PM
What is New in the Prevention and Treatment of Recurrent FSGS and Membranous Nephropathy?
Nicolae Leca, MD, University of Washington, Seattle, WA, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Kidney

Sodium-Glucose Cotransporter-2 (SGLT-2) Inhibitors: Are Gliflozins a Game Changer for Improving Post-Transplant Outcomes?

2:00 PM - 3:00 PM
Moderators:
Krista Lentine, MD, PhD, Saint Louis University Hospital, St. Louis, MO, USA
John Gill, MD, MS, St Paul's Hospital, Vancouver, BC, USA

2:00 PM - 2:10 PM
SGLT-2 Inhibitors and Coronary Artery Disease
Arthur Matas, MD, University of Minnesota Medical School, Minneapolis, MN, USA

2:10 PM - 2:20 PM
SGLT-2 Inhibitors and Diabetes
Adnan Sharif, MD, University Hospitals Birmingham, Birmingham, United Kingdom

2:20 PM - 2:30 PM
SGLT-2 Inhibitors and Heart Failure
Deirdre Sawinski, MD, Weill Cornell Medicine – New York Presbyterian Hospital, NY, NY, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Psychosocial & Ethics

Cannabinoids are Here to Stay: It is Time to Understand Their Harms and Benefits in End-Stage Organ Disease and Transplantation

2:00 PM - 3:00 PM
Moderators:
Stephan Weinland, PhD, VCU School of Medicine, Richmond, VA, USA
Lorna Dove, MD, Columbia Center for Live Disease & Transplantation, New York, NY, USA

2:00 PM - 2:10 PM
Harms and Benefits of Cannabinoids in Patients with End-Stage Organ Damage
Akhil Shenoy, MD MPH, Columbia University Medical Center, New York City, NY, USA

2:10 PM - 2:20 PM
Strategies to Manage Cannabinoid Use in Transplant Candidates and Recipients
Gerald Winder, MD MSc, University of Michigan, Ann Arbor, MI, USA

2:20 PM - 2:30 PM
Can Cannabinoids Treat Acute and Chronic Pain and Reduce Addiction to Opioids?
Joji Suzuki, MD, Harvard Medical School, Boston, MA, USA

2:30 PM - 3:00 PM
Live Q&A

Sponsor Networking
3:00 PM - 3:30 PM

Rapid Fire Oral Abstract Sessions
3:30 PM - 5:00 PM

Program Topic: All Topics
Rapid Fire Oral Abstract Sessions
- Kidney: Deceased Donor Allocation
- Kidney: Psychosocial
• **Kidney**: Cardiovascular and Metabolic Complications I
• **Liver**: Hepatocellular Carcinoma and Other Malignancies
• **Lung**: Infectious Considerations for Lung Transplantation
• **ID**: Cytomegalovirus and other Herpes Viruses
• **ID**: PTLD and Malignancies
• **Organ Inclusive**: Disparities to Outcome and Access to Healthcare
• **Basic Science / Immunology**: Xenotransplantation
• **Basic Science / Immunology**: Histocompatibility and Endothelial / Lymphatic Cell Biology

**Focus in Transplantation**
3:30 PM - 7:00 PM

Program Topic: Basic Science / Immunology

OMICS in Transplantation

3:30 PM - 5:00 PM
Moderators:
Paulo Martins, MD, PhD, University of Massachusetts, Worcester, MA, USA
Ali Zarrinpardipan, MD, PhD, University of Florida, Gainesville, FL, USA
Laurine Bow, PhD, Yale University, New Haven, CT, USA
Evan Farkash, M.D., Ph.D., University of Michigan, Ann Arbor, MI, USA

3:30 PM - 3:50 PM
Multi-Omic Approaches to the Assessment of Immune Dysfunction in Cirrhosis
Keri Lunsford, MD, PhD, FACS, Rutgers University, Newark, NJ, USA

3:50 PM - 4:10 PM
Multi-Omic Analysis of Alloimmune Responses Elicited by Transplanted Livers
Juliet Emamaullee, MD, PhD, University of Southern California, Los Angeles, CA, USA

4:10 PM - 4:30 PM

Multi-Omic Analysis of Liver Tumor Pathogenicity and Recurrence
Vatche Agopian, MD, UCLA Medical Center, Los Angeles, CA, USA

4:30 PM - 5:00 PM
Live Q&A

5:00 PM - 5:30 PM
Coffee Break

5:30 PM - 5:50 PM
Precision Genomic Medicine in Transplantation
Brendan Keating, D.Phil., UPenn, Philadelphia, PA, USA

5:50 PM - 6:10 PM
Digital Pathology, Computational Biology and Organ Transplants
Alton Farris, MD, Emory University, Atlanta, GA, USA

6:10 PM - 6:30 PM
CRISPR as a Diagnostic Test for Transplantation
Leonardo Riella, MD, PhD, Harvard Medical School, Boston, MA, USA

6:30 PM - 7:00 PM
Live Q&A

Break
5:00 PM - 5:30 PM

**Rapid Fire Oral Abstract Sessions**
5:30 PM - 7:00 PM

Program Topic: All Topics

Rapid Fire Oral Abstract Sessions

• **Kidney**: Living Donor: Long Term Outcomes
• **Kidney**: Pediatrics
• **Kidney**: Complications: Chronic Antibody Mediated Rejection & Immune Mediated Late Graft Failure
• **Liver**: Cirrhosis: Complications, Portal Hypertension and Renal Management
Liver: Surgery innovative Techniques Including Living Donor
Heart: Heart and VADs: All Topics I
Pharmacy: Non-Organ Specific: Clinical Pharmacy / Transplant Pharmacotherapy
ID: COVID-19 Infections Part 1: All Organs
Basic Science / Immunology: Immunosuppression and Tolerance: Preclinical and Translational Studies
Basic Science / Immunology: Cellular / Islet Therapies and Tissue Engineering
Basic Science / Immunology: Innate Immunity, Chemokines, Cytokines, and Complement

ASTS Town Hall
6:30 PM - 8:00 PM

Sponsor Networking
7:00 PM - 8:00 PM

Poster Session B
7:00 PM - 8:00 PM

Program Topic: All Topics
Poster Session B Presenters in Attendance

- Basic Science / Immunology: Antigen Presentation / Allorecognition / Dendritic Cells
- Basic Science / Immunology: Vascular, Lymphatic, Stromal and Parenchymal Cell Biology
- Basic Science / Immunology: Co-Stimulation in Alloreactive Effector and Regulatory Responses
- Basic Science / Immunology: Histocompatibility and Immunogenetics
- Basic Science / Immunology: Machine Perfusion and Organ Rehabilitation - Basic
- VCA
- ID: All Infections (Excluding Kidney & Viral Hepatitis) II

ID: Kidney Infectious Non-Polyoma & Non-Viral Hepatitis
ID: PTLD: All Topics
Pharmacy I
Kidney: Immunosuppression: Desensitization
Kidney: Living Donor: Other
Kidney: Acute Antibody Mediated Rejection
Kidney: Paired Exchange
Liver: Kidney Issues in Liver Transplantation
Liver: Immunosuppression and Rejection
Liver: Hepatocellular Carcinoma and Other Malignancies
Liver: MELD Allocation*
Heart and VADs: All Topics
Pancreas and Islet: All Topics
Organ Inclusive: Non-Organ Specific: Disparities to Outcome and Access to Healthcare

Poster Chat Sessions
7:00 PM - 8:00 PM

Program Topic: All Topics
Poster Chat Sessions
2 Sessions with Poster Presentations and Audience Question & Answer

Monday, June 6, 2022

IMPACT Sessions
7:00 AM - 8:00 AM

Program Topic: Basic Science / Immunology
Visualizing Immune Responses and Rejection

7:00 AM - 8:00 AM
Moderators:
Olivia Martinez, PhD, Stanford University School of Medicine, Stanford, CA, USA
Khodor Abou-Daya, MD, University of Pittsburgh, Pittsburgh, PA, USA

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
7:00 AM - 7:10 AM
High-Resolution Phenotyping of Early Acute Rejection Reveals a Conserved Alloimmune Signature
Shari Krams, Stanford University, Stanford, CA, USA

7:10 AM - 7:20 AM
The Spatio-Temporal Control of Effector T Cell Migration To be Determined

7:20 AM - 7:30 AM
Combined PET and Whole-Tissue Imaging of Lymphatic-Targeting Vaccines
Senta Kapnick, MHS, PhD, University of Maryland, College Park, MD, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: VCA
VCA, Tolerance and Regenerative Medicine

7:00 AM - 8:00 AM
Moderators:
Bruce Gelb, MD FACS, NYU Langone Medical Center, New York, NY, USA
To be Determined

7:00 AM - 7:10 AM
VCA with Current Standard Immunosuppression is Acceptable
Jamil Azzi, MD, Brigham and Women's Hospital, Boston, MA, USA

7:10 AM - 7:20 AM
VCA Needs Local Immunomodulation
Vijay Gorantla, Wake Forest Institute for Regenerative Medicine, Winston-Salem, NC, USA

7:20 AM - 7:30 AM
Who Needs VCA, We Have Regenerative Medicine
Matthew Griffin, MB BCh, DMed, National University of Ireland Galway, Galway, Ireland

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Psychosocial & Ethics
Advancing Transplant Ethics and Psychosocial Research Methods Beyond the 20th Century

7:00 AM - 8:00 AM
Moderators:
John Peipert, PhD, Northwestern University, Department of Medical Social Sciences, Chicago, IL, USA
Cynthia Russell, PhD, RN, FAAN, University of Missouri-Kansas City, Kansas City, Missouri, MO, USA

7:00 AM - 7:10 AM
Integrating Prospective Psychosocial Data into Routine Clinical Tracking
David Haver, PsyD, MPH, Medical University of South Carolina, Charleston, SC, USA

7:10 AM - 7:20 AM
Which Components Work in Multicomponent Interventions? Meet Multiphase Optimization Strategy (MOST)
Michelle Jesse, PhD, Henry Ford Health System, Detroit, MI, USA

7:20 AM - 7:30 AM
Implementation Science in Interventions: Translating Interventions into the Real World
Elisa Gordon, PhD, MPH, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Translational
Monitoring Immune Function After Transplantation

7:00 AM - 8:00 AM
Moderators:
Lorenzo Gallon, MD, Northwestern University NMFF, Chicago, IL, USA
Diana Metes, MD, University Of Pittsburgh; T E Starzl Transplant Institute, Pittsburgh, PA, USA

7:00 AM - 7:10 AM
Monitoring the Alloresponse with TCR Sequencing in Human Transplant Recipients
Megan Sykes, MD, Columbia Center for Translational
Program Topic: Immunology

Immunology, Columbia University, New York, NY, USA

7:10 AM - 7:20 AM
Viral Reactivation as a Measurement of Immune Status
Gregor Bond, MDPhD, Medical University of Vienna, Vienna, Austria

7:20 AM - 7:30 AM
Cell Free DNA and Urinary Biomarkers
Manikkam Suthanthiran, MD, Weill Cornell Med Center, New York, NY, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Kidney

Immunology, Columbia University, New York, NY, USA

7:00 AM - 8:00 AM
GFR After Living Donor Nephrectomy: It’s Donation Not Chronic Kidney Disease!

Moderators:
Gaurav Gupta, MD, Virginia Commonwealth University, Richmond, VA, USA
Danielle Krieger, Nurse Practitioner, NephroSant, Los Angeles, CA, USA

7:00 AM - 7:10 AM
The Landscape: Overview of GFR Decline and CKD/ESRD Trends Post Living Kidney Donation
Allan Massie, PhD, Johns Hopkins School of Medicine, Baltimore, MD, USA

7:10 AM - 7:20 AM
When the Unexpected Happens: Causes of Brisk Decline in GFR After Kidney Donation and Does Low GFR Post Donation Always Correlate with Poor Outcomes?
Jane Tan, MD, PhD, Stanford University, Stanford, CA, USA

7:20 AM - 7:30 AM
The Shoe Does Not Fit: Are eGFR Equations and CKD Labels/Staging Appropriate in Living Kidney Donors?
Emilio Poggio, MD, Cleveland Clinic, Cleveland, OH, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Pharmacy

Let’s Be Direct: Ultra-Short Direct Acting Anti-Viral Prophylaxis to Expand Donor Pool

7:00 AM - 8:00 AM

Moderators:
Nicole Nesselhauf, PharmD, BCPS, BCTXP, Barnes-Jewish Hospital, St. Louis, MO, USA
Ryan Winstead, PharmD, VCU Health, Richmond, VA, USA

7:00 AM - 7:10 AM
Save Me the Money: Cost-Effectiveness of Ultra-Short DAA Prophylaxis in Transplantation
Jennifer Byrns, PharmD, BCPS, BCTXP, CPP, Duke University, Durham, NC, USA

7:10 AM - 7:20 AM
Best Practices in Ultra-Short DAA Prophylaxis in Kidney Transplantation
Idris Yakubu, PharmD, Virginia Commonwealth University Health System, Richmond, VA, USA

7:20 AM - 7:30 AM
Lungs, Hearts and Treatment Head-Stars: Ultra-Short DAA Prophylaxis in Cardiothoracic Transplantation
Georgina Waldman, PharmD, Massachusetts General Hospital, Boston, MA, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: APP

Raising the Bar: Success with Alcoholic Hepatitis Transplantation

7:00 AM - 8:00 AM

Moderators:
Hender Rojas, APRN-BC, UK Transplant Center, Lexington, KY, USA
To be Determined

7:00 AM - 7:10 AM
To be Determined

Corrie Berk, DNP, APRN, MBA, FNP-BC, Loma Linda University Health, Las Vegas, NV, USA
7:00 AM - 8:00 AM
Moderators:
David Axelrod, MD, MBA, University of Iowa, Iowa City, IA, USA
Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:00 AM - 7:10 AM
Set a Stage
Peter Reese, MD, University of Pennsylvania, Philadelphia, PA, USA

7:10 AM - 7:20 AM
Pro: Biopsy may be Useful
Syed Husain, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:20 AM - 7:30 AM
Con: Biopsy is not Useful
Olivier Aubert, MD, PhD, Paris Translational Center for Organ Transplantation, Paris, France

7:30 AM - 7:35 AM
Rebuttal: Pro

7:35 AM - 7:40 AM
Rebuttal: Con

7:40 AM - 8:00 AM
Live Q&A

Program Topic: Pediatric
Racial and Ethnic Disparities in Pediatric Transplantation

7:00 AM - 8:00 AM
Moderators:
Olga Charnaya, MD, MS, Johns Hopkins University, Baltimore, MD, USA
Priya Verghese, MD MPH, Northwestern University, Chicago, IL, USA

7:00 AM - 7:10 AM
Overview of Racial and Ethnic Disparities in Pediatric Transplant
Lisa McElroy, MD, MS, Duke University, Durham, NC, USA

Program Topic: Kidney
Tissue is the Issue: Kidney Procurement Biopsy - Should We Even Think About It?

7:00 AM - 8:00 AM
Moderators:
David Axelrod, MD, MBA, University of Iowa, Iowa City, IA, USA
Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:00 AM - 7:10 AM
Set a Stage
Peter Reese, MD, University of Pennsylvania, Philadelphia, PA, USA

7:10 AM - 7:20 AM
Pro: Biopsy may be Useful
Syed Husain, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:20 AM - 7:30 AM
Con: Biopsy is not Useful
Olivier Aubert, MD, PhD, Paris Translational Center for Organ Transplantation, Paris, France

7:30 AM - 7:35 AM
Rebuttal: Pro

7:35 AM - 7:40 AM
Rebuttal: Con

7:40 AM - 8:00 AM
Live Q&A

Program Topic: ID
We Contain Multitudes – Microbiome and Transplant

7:00 AM - 8:00 AM
Moderators:
Judith Anesi, MD, MSCE, University of Pennsylvania, Philadelphia, PA, USA
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

7:00 AM - 7:10 AM
Microbiome Therapeutics for MDRO in Transplant
Michael Woodworth, MD, MSc, Emory University, Atlanta, GA, USA

7:10 AM - 7:20 AM
Microbiome and Immunity to Infection
Jay Fishman, MD, Massachusetts General Hospital - Harvard Medical School, Boston, MA, USA

7:20 AM - 7:30 AM
Microbiome and Transplant Rejection
John Lee, MD, Weill Cornell Medicine, New York, NY, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Kidney
Tissue is the Issue: Kidney Procurement Biopsy - Should We Even Think About It?
7:10 AM - 7:20 AM
Ethical Implications of Racial and Ethnic Disparities
Aviva Goldberg, MD, MA FRCPC, University of Manitoba, Winnipeg, MB, Canada

7:20 AM - 7:30 AM
Interventions: Systems and Program Changes to Address Disparities in Pediatric Transplant
Manuel Rodriguez-Davalos, MD, Primary Children’s Hospital, Salt Lake City, UT, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Basic Science / Immunology
B cells in Transplant Rejection and Tolerance

7:00 AM - 8:00 AM
Moderators:
Maarten Naesens, MD PhD, KU Leuven, Leuven, Belgium
Raja Rajalingam, PhD, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:10 AM
Innate-Like Self-Reactive B Cells Infiltrate Human Renal Allografts During Transplant Rejection
Anita Chong, Ph.D., University of Chicago, Chicago, IL, USA

7:10 AM - 7:20 AM
Transitional B Cell Cytokines Predict Renal Allograft Outcomes
David Rothstein, MD, Thomas E Starzl Transplant Institute, Pittsburgh, PA, USA

7:20 AM - 7:30 AM
Detection of HLA-specific Memory B Cells and Immune Monitoring of Transplant Recipients
Marcus Clark, M.D., University of Chicago, Chicago, IL, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Liver
No Longer ‘Hype’? Progress in Implementing Non-Invasive Biomarkers in Liver Transplant Immunosuppression Management

7:00 AM - 8:00 AM
Moderators:
Kimberly Brown, MD, FAST, FAASLD, AGAF, Henry Ford Hospital, Detroit, MI, USA
Sandy Feng, MD, PhD, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:10 AM
“Biomarkers Seem Really Cool, but are They for Real?”: The Prospect of Using the Most Promising Candidate Biomarkers in Liver Transplant Practice
Josh Levitsky, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

7:10 AM - 7:20 AM
“Biomarkers Seem Really Cool, but What are They Really Telling Us?”: An -Omics Primer for the Hepatologist
Thomas Schiano, Professor of Medicine, Mount Sinai Medical Center, New York, NY, USA

7:20 AM - 7:30 AM
“I Don't Want My Patients' Kidneys to Fail!": Rationale and Clinical Scenarios in Which Biomarkers Could Help Guide Immunosuppression Optimization in Liver Transplantation
Sumeet Asrani, MD MSc, Baylor University Medical Center, Dallas, TX, USA

7:30 AM - 8:00 AM
Live Q&A

Break
8:00 AM - 8:30 AM

Plenary Oral Abstract Session
8:30 AM - 9:30 AM

Program Topic: All Topics
Plenary Oral Abstract Session 2
**Sponsor Networking**
9:30 AM - 10:00 AM

**ASTS Presidential Addresses**
10:00 AM - 10:30 AM

**ASTS Presidential Address**

**ASTS Research Grants & Pioneer Awards**
10:30 AM - 11:30 AM

**ASTS Research Grants & Pioneer Award**

**Innovations in Transplantation**
11:30 AM - 12:30 PM

**Innovations in Transplantation**

**Break**
12:30 PM - 12:45 PM

**Satellite Symposia**
12:45 PM - 1:45 PM

**Program Topic: All Topics**

**Sponsored Satellite Symposia**

**Break**
1:45 PM - 2:00 PM

**IMPACT Sessions**
2:00 PM - 3:00 PM

**Program Topic: Translational**

**Desensitization – Translational Science**

2:00 PM - 3:00 PM
Moderators:
**Joren Madsen, MD, Phil**, Massachusetts General Hospital, Boston, MA, USA
**Carrie Schinstock, Medical Doctor**, Mayo Clinic, Rochester, MN, USA

2:00 PM - 2:10 PM
Basic Immunology State of the Field—Tfh and Humoral Responses
**Paige Porrett, MD, PhD**, The University of Alabama at Birmingham, Birmingham, AL, USA

2:10 PM - 2:20 PM
New Therapies: B Cell/Plasma Cell Depletion
**Jean Kwun, PhD**, Duke, Durham, NC, USA

2:20 PM - 2:30 PM
Measuring Endpoints in Desensitization
**Elaine Reed, PhD**, University of California LA, Los Angeles, CA, USA

2:30 PM - 3:00 PM
Live Q&A

**Program Topic: Other**

**The Future of Transplant is...**

2:00 PM - 3:00 PM
Moderators:
**Kenneth Newell, MD, PhD**, Emory University School of Medicine, Atlanta, GA, USA
**Flavio Vincenti, MD**, University of California San Francisco, San Francisco, CA, USA

2:00 PM - 2:10 PM
We Just Need to use Current Regimens Better
**Daniel Brennan, MD**, Johns Hopkins University, Baltimore, MD, USA

2:10 PM - 2:20 PM
Clinical Tolerance is Here and Ready for Prime Time
**Andrew Bentall, MBChB MD**, Mayo Clinic, Rochester, MN, USA

2:20 PM - 2:30 PM
Regional Immunosuppression is the Future
**Vijay Gorantla, MD PhD**, Wake Forest Institute for Regenerative Medicine, Winston-Salem, MA, USA

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
**Program Topic: Basic Science / Immunology**

Transformative Multidisciplinary Research Through Transplant Declined Human Organs

2:00 PM - 3:00 PM
Moderators:
Jonathan Bromberg, MD, PhD, University of Maryland, Baltimore, MD, USA
Gregory Tietjen, PhD, Yale University School of Medicine, New Haven, CT, USA

**Program Topic: Kidney**

What's the Optimal Individualized Approach to Managing a Patient with a Declining or Failed Kidney Allograft?

2:00 PM - 3:00 PM
Moderators:
Martin Zeier, MD MSc, University of Heidelberg, Germany, Heidelberg, Germany
Michelle Josephson, MD, University of Chicago, Chicago, IL, USA

**Program Topic: Professional Development**

Burnout in Transplant Teams

2:00 PM - 3:00 PM
Moderators:
Sunil Geeverghese, MD, FACS, MSCI, Vanderbilt University Medical Center, Nashville, TN, USA
Marwan Abouljoud, MD, CPE, FACS, MMM, Henry Ford Transplant Institute, Detroit, MI, USA

**Program Topic: Professional Development**

Burnout in Transplant Teams: What We Know and What We Need to Do

2:00 PM - 2:10 PM
Better Assays, Better Equations, or Better Markers?
Improved Measures of Prognosis and Kidney Failure Risk for Kidney Allograft
Roslyn Mannon, MD, UNMC, Omaha, NE, USA

**Program Topic: Professional Development**

Burnout in Transplant Teams: What We Know and What We Need to Do

2:00 PM - 2:10 PM
Better Assays, Better Equations, or Better Markers?
Improved Measures of Prognosis and Kidney Failure Risk for Kidney Allograft
Roslyn Mannon, MD, UNMC, Omaha, NE, USA
2:20 PM - 2:30 PM  
Individualizing Immunosuppression Strategies and Management of Complications in a Declining Allograft  
Klemens Budde, MD, Charité Universitätsmedizin Berlin, Germany, Berlin, Germany

2:30 PM - 3:00 PM  
Live Q&A

Program Topic: Basic Science / Immunology

SARS-CoV2 Immunity and Pathogenesis

2:00 PM - 3:00 PM  
Moderators:  
Anoma Nellore, MD, University of Alabama, Birmingham, AL, USA  
Joanna Schaenman, MD, PhD, UCLA, Los Angeles, CA, USA

2:00 PM - 2:10 PM  
T-cell Immune Responses to SARS-CoV-2 and Variants of Concern in Immunocompromised Individuals  
Stanley Jordan, MD, Cedars Sinai Medical Center, West Hollywood, CA, USA

2:10 PM - 2:20 PM  
Role of T Cell Exhaustion in Severe SARS-CoV-2 Infection, Implications for the Immunosuppressed or Older Patient  
Allison Greenplate, PhD, University of Pennsylvania, Philadelphia, PA, USA

2:20 PM - 2:30 PM  
SARS-CoV-2 in the Immunocompromised Host: How Studying People Living with HIV Sheds Light on Transplant Recipients  
Daniel Schuster, MD, MS, Duke University, Durham, NC, USA

2:30 PM - 3:00 PM  
Live Q&A

Program Topic: Liver & Heart

Heart Liver Transplant: Indications

2:00 PM - 3:00 PM  
Moderators:  
Daniel Ganger, MD, Northwestern University, Chicago, IL, USA  
Clark Bonham, MD, Stanford University Medical Center, Palo Alto, CA, USA

2:00 PM - 2:10 PM  
Liver Tolerance in Heart Liver Transplant  
Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

2:10 PM - 2:20 PM  
Heart Liver Transplant Selection Criteria  
Rhondalyn McLean, MD MHS, University of Pennsylvania, Philadelphia, PA, USA

2:20 PM - 2:30 PM  
SARS-CoV-2 in the Immunocompromised Host: How Studying People Living with HIV Sheds Light on Transplant Recipients  
Daniel Schuster, MD, MS, Duke University, Durham, NC, USA

2:30 PM - 3:00 PM  
Live Q&A

Program Topic: Other & Kidney

Ensuring Equity in Transplant: Priorities for National Expansion of Best Practices

2:00 PM - 3:00 PM  
Moderators:  
Amy Waterman, PhD, Houston Methodist Transplant Center, Houston, TX, USA  
Tanjala Purnell, PhD, MPH, Johns Hopkins University, Baltimore, MD, USA

2:00 PM - 2:10 PM  
Improving Pre-Transplant Education and Care to Ensure Equity in Transplant Referral  
Rachel Patzer, PhD, MPH, Emory University, Atlanta, GA, USA

2:10 PM - 2:20 PM  
Improving Center-Based Practices and Policy Interventions to Improve Access to Transplant  
Amit Mathur, MD MS FACS, Mayo Clinic in Arizona, Phoenix, AZ, USA

2:20 PM - 2:30 PM  
Improving Access to Living Donation in Vulnerable Communities  
LaShara Davis, Ph.D., Houston Methodist Hospital, J.C. Walter Jr. Transplant Center, Houston, TX, USA

2:30 PM - 3:00 PM  
Live Q&A
2:20 PM - 2:30 PM
Surgical Techniques in Combined Heart Liver Transplant
Carlos Esquivel, MD, PhD, Stanford University School of Medicine, Stanford, CA, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: ID
Shot Topic Debate: Vaccine Mandates for Transplant Candidates

2:00 PM - 3:00 PM
Moderators:
Olivia Kates, MD, MA, Johns Hopkins University, Baltimore, MD, USA
Deepali Kumar, MD, University Health Network, Toronto, ON, Canada

2:00 PM - 2:10 PM
Strategies for Implementation
Amy Friedman, MD, LiveOnNY, New York, NY, USA

2:10 PM - 2:20 PM
In Favor of Vaccine Mandates
Lara Danziger-Isakov, MD, MPH, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, USA

2:20 PM - 2:30 PM
Better Alternatives to Strict Mandates
Marian Michaels, MD MPH, UPMC Children’s Hospital of Pittsburgh, Pittsburgh, PA, USA

2:30 PM - 2:35 PM
Rebuttal: In Favor of Vaccine Mandates

2:35 PM - 2:40 PM
Rebuttal: Better Alternatives to Strict Mandates

2:40 PM - 3:00 PM
Live Q&A

Program Topic: Pharmacy
Telehealth in Transplant: The New Paradigm

2:00 PM - 3:00 PM
Moderators:
Ashley Feist, PharmD, University of California San Diego, San Diego, CA, USA
Megan Keck, PharmD, Nebraska Medicine, Omaha, NE, USA

2:00 PM - 2:10 PM
How to Expand Pharmacy Services- is Telehealth the Answer?
Karen Khalil, PharmD, NYU Langone, New York, NY, USA

2:10 PM - 2:20 PM
Practically Speaking: Does Telehealth Improve or Hinder Patient Care?
Claudia Praglin, ANP-BC, UCSF, San Francisco, CA, USA

2:20 PM - 2:30 PM
Culture of Change- What’s Next with Regulatory Changes
Demetra Tsapepas, PharmD, MBA, New York Presbyterian Hospital, New York, NY, USA

2:30 PM - 3:00 PM
Live Q&A

Sponsor Networking
3:00 PM - 3:30 PM

Focus in Transplantation
3:30 PM - 7:00 PM

Program Topic: Translational
Role of Biomarkers in Immune Profiling

3:30 PM - 7:00 PM
Moderators:
Abraham Shaked, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA
Philip F Halloran, University of Alberta, Edmonton, AB, Canada

3:30 PM - 3:50 PM
Torque Teno Virus for Risk Stratification of Graft Rejection and Infection in Kidney Transplant Recipients
Gregor Bond, MDPhD, Medical University of Vienna, Vienna, Austria

3:50 PM - 4:10 PM
Role of Molecular Biomarkers in Kidney and Liver Transplantation: Monitoring the Spectrum of Alloimmune Activation and Graft Injury
Jonathan Bromberg, MD, Ph.D., University of Maryland, Baltimore, MD, USA

4:10 PM - 4:30 PM
Utilizing Biomarkers for Transplant Specific Risk Stratification
Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

4:30 PM - 5:00 PM
Live Q&A

5:00 PM - 5:30 PM
Coffee Break

5:30 PM - 5:50 PM
The Need and Impact of Biomarker Use in Pediatric Transplantation
Eileen Chambers, MD, Duke University, Durham, NC, USA

5:50 PM - 6:10 PM
Biomarker Utilization in Liver Transplantation
Josh Levitsky, MD, MS, Northwestern, Chicago, IL, USA

6:10 PM - 6:30 PM
Role of Biomarkers for Reduction of Immunosuppression in Renal Transplantation
Paolo Cravedi, MD, Mount Sinai, New York, NY, USA

6:30 PM - 7:00 PM
Live Q&A

Rapid Fire Oral Abstract Sessions
3:30 PM - 5:00 PM

Program Topic: All Topics
Rapid Fire Oral Abstract Sessions

- **Kidney**: Deceased Donor Selection I
- **Kidney**: Acute Cellular Rejection
- **Kidney**: Cardiovascular and Metabolic Complications II
- **Liver**: Expanding the Donor Pool (MELD Allocation / Donor Issues)
- **Heart and VADs**: All Topics II
- **ID**: COVID-19 Infections Part 2: All Organs
- **ID**: Kidney: Polyoma Infections
- **Public Policy & Regulatory**: Non-Organ Specific: Public Policy & Allocation
- **Basic Science / Immunology**: Ischemia Reperfusion
- **Basic Science / Immunology**: B-cell / Antibody / Autoimmunity
Break
5:00 PM - 5:30 PM

Rapid Fire Oral Abstract Sessions
5:30 PM - 7:00 PM

Program Topic: All Topics

Rapid Fire Oral Abstract Sessions

- Kidney: Technical
- Kidney: Complications: Non-Immune Mediated Late Graft Failure
- Kidney: Health Equity and Access I
- Liver: MELD Allocation and Large Data
- Liver: Pediatrics
- Lung: Early and Late Outcomes in Lung Transplantation
- Small Bowel: Intestinal Transplantation and Rehabilitation
- ID: Transplant Infectious Diseases: All Organs
- Basic Science / Immunology: Machine Perfusion and Organ Rehabilitation - Basic
- Basic Science / Immunology: Acute Rejection
- Basic Science / Immunology: Immune Regulation and Tolerance

AST Town Hall
6:30 PM - 8:00 PM

AST Town Hall

Sponsor Networking
7:00 PM - 8:00 PM

Poster Session C
7:00 PM - 8:00 PM

Program Topic: All Topics

Poster Chat Sessions
7:00 PM - 8:00 PM

Program Topic: All Topics

Poster Chat Sessions

2 Sessions with Poster Presentations and Audience Question and Answer
Tuesday, June 7, 2022

**IMPACT Sessions**
7:00 AM - 8:00 AM

**Program Topic: APP**
Unique Case Studies Presented by Advanced Practice Providers

7:00 AM - 8:00 AM
Moderators:
To be Determined

7:00 AM - 7:10 AM
Non Uremic Calciphylaxis Post-Liver Transplant: A Case Study
Carrie Chamberlain Penny, ACNP-BC, Johns Hopkins University, Baltimore, MD, USA

7:10 AM - 7:20 AM
To be Determined

7:20 AM - 7:30 AM
Successful Long-term Outcome of Retransplantation for Donor-derived Lung Cancer in a Liver Transplant Recipient
Heather O’Dell, MSN, ANP-BC, MMHC, Vanderbilt University Medical Center, Nashville, TN, USA

7:30 AM - 8:00 AM
Live Q&A

**Program Topic: Kidney**
Kidney Paired Donation First and Foremost: Decoupling All Donor and Recipient Pairs Should Become Standard of Care

7:00 AM - 8:00 AM
Moderators:
Mark Lerman, MD, Dallas Nephrology Assoc, Dallas, TX, USA
Asif Sharfuddin, MD, Indiana University, Indianapolis, IN, USA

7:00 AM - 7:10 AM
How Did We Get Here? The Road to Decoupling Pairs
Adam Bingaman, MD, PhD, Methodist Specialty and Transplant Hospital, San Antonio, TX, USA

7:10 AM - 7:20 AM
Pro – The Opportunities are Limitless and the Benefits Unrealized
Robert Montgomery, MD, FACS, DPhil, NYU Langone Transplant Institute, New York, NY, USA

7:20 AM - 7:30 AM
Con – No Need to Fix Something That’s Not Broken
Peter Reese, MD, University of Pennsylvania, Philadelphia, PA, USA

7:30 AM - 7:35 AM
Rebuttal: Pro

7:35 AM - 7:40 AM
Rebuttal: Con

7:40 AM - 8:00 AM
Live Q&A

**Program Topic: VCA**
Candidates and Recipients of VCA Procedures: An Update from Ongoing Studies

7:00 AM - 8:00 AM
Moderators:
Laura Siminoff, PhD, Temple University, Philadelphia, PA, USA
Sheila Jowsey-Gregoire, MD, Mayo Clinic, Rochester, MN, USA

7:00 AM - 7:10 AM
Development of a Shared Decision Making Tool to Assist in VCA Patient Selection
Ian Hargraves, PhD, Mayo Clinic, Rochester, MN, USA

7:10 AM - 7:20 AM
A Qualitative Study of the Experiences of Combat Veterans who may be Candidates for a VCA Procedure
Heather Gardiner, PhD., MPH, Temple University, Philadelphia, PA, USA

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
7:20 AM - 7:30 AM
Psychosocial Factors in the Decision Making and Informed Consent Process for Upper Extremity VCA
Macey Levan, JD, PhD, Johns Hopkins University, Baltimore, MD, USA

7:30 AM - 7:40 AM
Development of Patient Reported Outcome Measures for Upper Extremity Trauma Patients
David Tulsky, Ph.D, University of Delaware, Newark, DE, USA

7:40 AM - 8:00 AM
Live Q&A

Program Topic: Liver
Personalized Management of Cardiovascular Disease in Liver Transplant Recipients

7:00 AM - 8:00 AM
Moderators:
Lisa VanWagner, MD, MSc, FAST, FAHA, Northwestern Medicine, Chicago, IL, USA
Shelley Hall, MD, Baylor Dallas, Dallas, TX, USA

7:00 AM - 7:10 AM
Coronary Artery Disease after Liver Transplant: Risk Mitigation Recipes
Matthew Harinstein, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA

7:10 AM - 7:20 AM
Post-Transplant Heart Failure: Does Cirrhotic Cardiomyopathy Matter?
Manhal Izzy, MD, Vanderbilt University Medical Center, Nashville, TN, USA

7:20 AM - 7:30 AM
Arrhythmias and Valvular Diseases: Who is at Risk?
Brett Fortune, MD MSc, Weill Cornell Medicine, New York, NY, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: HLA
Should Transplant Programs Routinely Test for Non-HLA Antibodies?

7:00 AM - 8:00 AM
Moderators:
Michelle Hickey, PhD D(ABHI), University of California Los Angeles Immunogenetics Center, Los Angeles, CA, USA
Serena Bagnasco, MD, Professor of Pathology Johns Hopkins School of Medicine, Baltimore, MD, USA

7:00 AM - 7:10 AM
Setting the Stage: Why Test for Non HLA Antibodies?
Annette Jackson, PhD, Duke University, Durham, NC, USA

7:10 AM - 7:20 AM
Pro: Testing for Non HLA Antibody Should be Routine for Transplant Programs
Adriana Zeevi, PhD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:20 AM - 7:30 AM
Con: Testing for Non HLA Antibodies Should Not be Performed Routinely
Peter Nickerson, MD, FRCPC, University of Manitoba, Winnipeg, MB, Canada

7:30 AM - 7:35 AM
Rebuttal: Pro

7:35 AM - 7:40 AM
Rebuttal: Con

7:40 AM - 8:00 AM
Live Q&A

Program Topic: Kidney
A2 to B: Antibodies, Testing, and Best Practices

7:00 AM - 8:00 AM
Moderators:
Nadiesda Costa, MD, Medstar Georgetown Transplant Institute/ Georgetown University, Washington, DC, USA
Program Topic: Basic Science / Immunology
The Microbiome in Immunomodulation and Transplantation

7:00 AM - 8:00 AM
Inducing Antigen-Specific T Cells With Engineered Commensals
To be Determined

7:10 AM - 7:20 AM
Developing Microbiome Modulating Therapeutics for Allergic and inflammatory Disease
To be Determined

7:20 AM - 7:30 AM
A Metabolomics Pipeline for the Mechanistic Interrogation of the Gut Microbiome
To be Determined

Program Topic: ID
The Donor Had What???

7:00 AM - 8:00 AM
Moderators:
Daniel Kaul, MD, University of Michigan, Ann Arbor, MI, USA
Stephanie Pouch, MD, MS, FAST, Emory University School of Medicine, Atlanta, GA, USA

7:00 AM - 7:10 AM
Case Presentation: Donor With Suspected Infection (ex: COVID, MDRO)
Ricardo La Hoz, MD, University of Texas Southwestern Medical Center, Dallas, TX, USA

7:10 AM - 7:20 AM
Reasons to Accept Donors With Suspected Infection
Cameron Wolfe, MBBS, MPH, Duke University Medical Center, Durham, NC, USA

7:20 AM - 7:30 AM
Reasons NOT to take Donors with Suspected Infections
Fernanda Silveira, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Pediatric
Pediatric Solid Organ Transplantation: Unique Surgical Considerations

7:00 AM - 8:00 AM
Moderators:
Carlos Esquivel, MD, PhD, Stanford University School of Medicine, Stanford, CA, USA
Jorge Reyes, Professor of Surgery, University of Washington, Seattle, WA, USA

7:00 AM - 7:10 AM
An Update on Pediatric Intestinal Transplantation - What's Next
### Program Topic: Pediatric & Liver

**Should Surgeons Travel to the Graft? Or Should Grafts Travel to the Surgeon? In Situ Split versus Ex Situ Split for Pediatric Liver Transplantation**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Pro: Insitu Splitting is Better</td>
<td>Patrick Healey, MD</td>
<td>Seattle Children's Hospital, Seattle, WA, USA</td>
</tr>
<tr>
<td>7:20 AM</td>
<td>Con: Back Table Split is Better</td>
<td>Deepak Vikraman, MD</td>
<td>Duke University Medical Center, Durham, NC, USA</td>
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<td>7:30 AM</td>
<td>Rebuttal: Pro</td>
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<tr>
<td>7:40 AM</td>
<td>Rebuttal: Con</td>
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</table>

#### Program Topic: Other

**From Cause to Care Plan: Assessment and Management of Post-Transplant Delirium**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Delirium After Transplant: Incidence and Importance of Assessment &amp; Treatment</td>
<td>Heather Bruschwein, PsyD</td>
<td>University of Virginia, Charlottesville, VA, USA</td>
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<tr>
<td>7:10 AM</td>
<td>Why is My Patient Acting Like That?: Risk Factors and Causes of Delirium</td>
<td></td>
<td>To be Determined</td>
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<tr>
<td>7:20 AM</td>
<td>Management of Post-transplant Delirium</td>
<td>Paula Zimbrean, MD, FACLP, FAPA</td>
<td>Yale University, New Haven, CT, USA</td>
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<tr>
<td>7:30 AM</td>
<td>Live Q&amp;A</td>
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</tbody>
</table>
Program Topic: Women's Health & Liver

Solving the Sex-based Disparity in Access to Liver Transplant: Pragmatic Nudge vs. Comprehensive Overhaul

7:00 AM - 8:00 AM
Moderators:
Helen Te, MD, University of Chicago Medical Center, Chicago, IL, USA
Elizabeth Pomfret, MD, PhD, University of Colorado, Aurora, CO, USA

7:00 AM - 7:10 AM
Sex-Based Disparities in Liver Transplantation: Historical Perspective and Current State
Julie Heimbach, MD, Mayo Clinic, Rochester, MN, USA

7:10 AM - 7:20 AM
Debate: Incremental Changes in MELDNa: Fixing Creatinine or MELD 3.0 is the Answer
Amy Evenson, MD, Beth Israel Deaconess Medical Center, Brookline, MA, USA

7:20 AM - 7:30 AM
Debate: Fixing MELDNa is Not Enough: Time for a Comprehensive Approach
Thomas Schiano, MD, Mount Sinai, New York, NY, USA

7:30 AM - 7:35 AM
Rebuttal - Incremental Changes in MELDNa: Fixing Creatinine or MELD 3.0 is the Answer

7:35 AM - 7:40 AM
Rebuttal - Fixing MELDNa is Not Enough: Time for a Comprehensive Approach

7:40 AM - 8:00 AM
Live Q&A

Program Topic: Small Bowel

New Frontiers in Intestine Transplant

7:00 AM - 8:00 AM
Moderators:
Alisha Mavis, MD, Duke, Durham, NC, USA

Syed-Mohammed Jafri, MD, Henry Ford Health System, Detroit, MI, USA

7:00 AM - 7:10 AM
Immunologic Breakthroughs in Intestinal Transplant and Intestinal Management. Tissue Engineering and Scaffolding Techniques
Joshua Weiner, MD, Columbia University Irving Medical Center, New York, NY, USA

7:10 AM - 7:20 AM
Intestinal Stem Cell Regeneration
Debra Sudan, MD, Duke University Medical Center, Durham, NC, USA

7:20 AM - 7:30 AM
Growth Factors on the Horizon for Management of Pre and Post Transplant Intestinal Disease
Nimisha Sulejmani, PharmD, CareDx, Sterling Heights, MI, USA

7:30 AM - 8:00 AM
Live Q&A

Break
8:00 AM - 8:30 AM

Plenary Oral Abstract Session
8:30 AM - 9:30 AM

Program Topic: All Topics

Plenary Oral Abstract Session 3

Sponsor Networking
9:30 AM - 10:00 AM

IMPACT Sessions
10:00 AM - 11:00 AM

Program Topic: Basic Science / Immunology

Bioengineering Better Transplant Outcomes

10:00 AM - 11:00 AM
Moderators:
Anita Chong, PhD, University of Chicago, Chicago, IL, USA

Xunrong Luo, MD, PhD, Duke University School of Medicine, Durham, NC, USA

10:00 AM - 10:10 AM
Nanofibrous Encapsulation Device for Safe Delivery of Insulin-Producing Cells to Treat Type 1 Diabetes - STM
Minglin Ma, PhD, Cornell University, Ithaca, NY, USA

10:10 AM - 10:20 AM
Reprogramming Cytokines for Targeted Immunotherapy
Jamie Spangler, PhD, Johns Hopkins, Baltimore, MD, USA

10:20 AM - 10:30 AM
Biomaterials to Modulate the Immune Response
Andres Garcia, PhD, Georgia Institute of Technology, Atlanta, GA, USA

10:30 AM - 11:00 AM
Live Q&A

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Program Topic: Lung

Bridge to Transplant 2022, The Lung Transplant Candidate on Acute Life Support

10:00 AM - 11:00 AM
Moderators:
Jeffrey Edelman, MD, University of Washington, Seattle, WA, USA
Maryam Valapour, MD, MPP, The Cleveland Clinic, Cleveland, OH, USA

10:00 AM - 10:10 AM
Ethical Tolls: Bridge Closed - No Access / Bridge Failed - Care De-Escalation
Andrew Courtwright, MD, PhD, University of Pennsylvania, Philadelphia, PA, USA

10:10 AM - 10:20 AM
Urgent Referral: Managing Patients, Logistics, and Expectations
Nirmal Sharma, MD, Brigham and Women's Hospital, Boston, MA, USA

10:20 AM - 10:30 AM

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Program Topic: Liver

Can We Break the Barriers in Access and Utilization of LDLT in Special Populations?

10:00 AM - 11:00 AM
Moderators:
Juliet Emamaullee, MD PhD, University of Southern California, Los Angeles, CA, USA
Elizabeth Verna, MD, MS, Columbia University, New York, NY, USA

10:00 AM - 10:10 AM
Expansion of LDLT for Pediatric Recipients
Adam Griesemer, MD, Columbia University, New York, NY, USA

10:10 AM - 10:20 AM
Role of Social Detriments in Access to LDLT
Alyson Fox, MD MSCE, Columbia University, New York, NY, USA

10:20 AM - 10:30 AM
Paired Donation LDLT
Benjamin Samstein, MD, Weill Cornell Medicine, New York, NY, USA

10:30 AM - 11:00 AM
Live Q&A
Program Topic: Kidney

Small Steps That Can Made A Big Impact: Decreasing The Burden Of Chronic Antibody Mediated Rejection With The Tools We Have

10:00 AM - 11:00 AM
Moderators:
Marta Crespo, M.D., Ph.D., Hospital del Mar, Barcelona, Spain
Ruth Sapir-Pichhadze, MD, MSc, PhD, FRCPC, McGill University, Montreal, QC, Canada

10:00 AM - 10:10 AM
Carrie Schinstock, Medical Doctor, Mayo Clinic, Rochester, MN, USA

10:10 AM - 10:20 AM
Use of HLA Molecular Testing to Optimize HLA Matching and Prevent Antibody Pre and Post-Transplant
Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

10:20 AM - 10:30 AM
Approaches to Immunosuppression Management to Maximize Adherence and Avoid Antibody Mediated Rejection
Chris Wiebe, MD, University of Manitoba, Winnipeg, MB, Canada

10:30 AM - 11:00 AM
Live Q&A

Program Topic: Pediatric

Sickle Cell Disease, End Organ Damage, and Transplantation

10:00 AM - 11:00 AM
Moderators:
Jody Olson, MD, University of Kansas Medical Center, Kansas City, KS, USA
Ryan Fischer, MD, Children's Mercy Hospital, Kansas City, MO, USA

10:00 AM - 10:10 AM
Sickle Cell Disease and End Organ Damage in Children and Adults
Trevor Reichman, MD, PhD, FACS, University of Toronto/The University Health Network, Toronto, ON, Canada

10:10 AM - 10:20 AM
Outcomes of Liver and Kidney Transplantation in Sickle Cell Disease
Tanjala Purnell, PhD, MPH, Johns Hopkins School of Medicine, Baltimore, MD, USA

10:20 AM - 10:30 AM
Dual Hematopoietic Stem-Cell Transplant and Solid Organ Transplant for Sickle-Cell Disease
Shalini Shenoy, MD, Washington University, Olivette, MO, USA

10:30 AM - 11:00 AM
Live Q&A

Program Topic: APP

Groundbreaking Research Led by Advanced Transplant Providers

10:00 AM - 11:00 AM
Moderators:
Helen Wijeweera, ANP-BC, Washington University, Saint Louis, MO, USA
To be Determined

10:00 AM - 10:10 AM
Conducting the First Successful Xenotransplant
Elaina Weldon, ACNP-BC, NYU Langone Transplant Institute, New York, NY, USA

10:10 AM - 10:20 AM
Liver Transplant Disposition: Floor or ICU? A Quality Improvement Update
Katherine Klingenberg, PA-C, MMS, University of Colorado, Aurora, CO, USA

10:20 AM - 10:30 AM
Vascular Composite Allografts: The New Face of Transplant?
Karen Kerepesi, PA-C, MPAS, Cleveland Clinic, Avon,
Program Topic: Heart
Are Destination LVAD the Only Type of VAD Left? Debate in Light of Recent Update to CMS Coverage Policy and UNOS Reclassification

10:00 AM - 11:00 AM
Moderators:
Howard Eisen, MD, Penn State/Hershey Medical Center, Hershey, PA, USA
Aasim Afzal, MD, MBA, FACC, FHFS, Baylor Scott And White Heart Hospital, Dallas, TX, USA

10:00 AM - 10:10 AM
Setting the Stage: The Aftermath of Change in UNOS Listing Criteria. How the Changes Have Affected Transplantation from Durable MCS
Rebecca Cogswell, MD, University of Minnesota, Minneapolis, MN, USA

10:10 AM - 10:20 AM
Pro: LVAD will be Only a Destination Therapy Going Forward and We are Committing Patients to LVAD for Life
Sean Pinney, MD, University of Chicago, Chicago, IL, USA

10:20 AM - 10:30 AM
Con: All Hope is Not Lost - LVAD can Still be a Bridge to Transplantation
Donna Mancini, MD, Mount Sinai, New York, NY, USA

Program Topic: Translational
Costimulation Blockade

10:00 AM - 11:00 AM
Moderators:
Allan Kirk, MD, PhD, Duke University, Durham, NC, USA
Norma Kenyon, PhD, University of Miami School of Medicine, Miami, FL, USA

10:00 AM - 10:10 AM
Different Sides of the Street: Variable Effects From Targeting the Receptor of Ligand: CD28 vs B7, CD40 vs CD154, alt Ligands, Expression Differences, etc.
Mandy Ford, PhD, Emory University, Atlanta, GA, USA

Program Topic: Kidney
APOL 1 Risk Variant Assessment in Living Kidney Donor Evaluation

10:00 AM - 11:00 AM
Live Q&A

10:00 AM - 11:00 AM
Moderators:
Krista Lentine, MD, PhD, Saint Louis University Hospital, St. Louis, MO, USA
Roslyn Mannon, MD, UNMC, Omaha, NE, USA

10:00 AM - 10:10 AM
APOL1 Genotyping in Living Donor Evaluation: Benefits and Appropriateness of Testing
Mona Doshi, MBBS, University of Michigan, Ann Arbor, MI, USA

10:10 AM - 10:20 AM
APOL1 Genotyping in Living Donor Evaluation: Providing a Perspective on Risk and Unintended Consequences
Jayme Locke, MD, MPH, University of Alabama at Birmingham Heersink School of Medicine, Birmingham, AL, USA

10:20 AM - 10:30 AM
Training the Practitioner in Counseling Living Donor Candidates about APOL1 Testing and Donation
Elisa Gordon, PhD, MPH, Northwestern University Feinberg School of Medicine, Chicago, IL, USA

10:30 AM - 11:00 AM
Live Q&A

Program Topic: Heart
Are Destination LVAD the Only Type of VAD Left? Debate in Light of Recent Update to CMS Coverage Policy and UNOS Reclassification

10:00 AM - 11:00 AM
Live Q&A
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<tbody>
<tr>
<td>10:10 AM - 10:20 AM</td>
<td>Novel Targetable Pathways in Costimulation Blockade</td>
<td>Richard Pierson III, MD, Massachusetts General Hospital and Harvard Medical School, Boston, MA, USA</td>
</tr>
<tr>
<td>10:20 AM - 10:30 AM</td>
<td>The Pipeline: Current Trials of Inhibitors of CD40/CD154</td>
<td>Flavio Vincenti, MD, University of California San Francisco, San Francisco, CA, USA</td>
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<tr>
<td>10:30 AM - 10:40 AM</td>
<td>Lessons from the Belatacept Experience</td>
<td>Christian Larsen, MD, PhD, Emory University, Atlanta, GA, USA</td>
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<tr>
<td>10:40 AM - 11:00 AM</td>
<td>Live Q&amp;A</td>
<td></td>
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<tr>
<td>10:00 AM - 11:00 AM</td>
<td>Program Topic: Pharmacy</td>
<td>Immuno Bill: Past, Present and Future Directions</td>
</tr>
<tr>
<td>10:00 AM - 10:10 AM</td>
<td>History of the Immuno Bill: How it Happened</td>
<td>Jennifer McDermott, PharmD, BCTXP, BCPS, Spectrum Health, Grand Rapids, MI, USA</td>
</tr>
<tr>
<td>10:10 AM - 10:20 AM</td>
<td>Gaps in the Immuno Bill: What’s Still Missing</td>
<td>Nancy Edgington, LCSW, Yale New Haven Hospital, New Haven, CT, USA</td>
</tr>
<tr>
<td>10:20 AM - 10:30 AM</td>
<td>Future Transplant Policy Considerations: Where Do We Go From Here</td>
<td>Michael Ison, MD, MS, Northwestern University Feinberg School of Medicine, Chicago, IL, USA</td>
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<tr>
<td>10:30 AM - 11:00 AM</td>
<td>Live Q&amp;A</td>
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<tr>
<td>10:00 AM - 11:00 AM</td>
<td>Program Topic: ID</td>
<td></td>
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<tr>
<td>10:00 AM - 10:10 AM</td>
<td>Case Presentation</td>
<td>Emily Blumberg, MD, FAST, University of Pennsylvania, Philadelphia, PA, USA</td>
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<tr>
<td>10:10 AM - 10:20 AM</td>
<td>Case Presentation</td>
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<tr>
<td>10:20 AM - 10:30 AM</td>
<td>Case Presentation</td>
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<tr>
<td>10:30 AM - 11:00 AM</td>
<td>Live Q&amp;A</td>
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<tr>
<td>10:00 AM - 11:00 AM</td>
<td>Program Topic: Psychosocial &amp; Ethics</td>
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<tr>
<td>10:00 AM - 10:10 AM</td>
<td>What’s in a Number? Older Recipient Age and Organ Transplantation</td>
<td>Bhavadharini Ramu, MD, FACC, MUSC, Charleston, SC, USA</td>
</tr>
<tr>
<td>10:10 AM - 10:20 AM</td>
<td>Dual Listing: Case Presentation Raising Ethical Concerns</td>
<td>Vanessa Blumer, MD, Duke University Medical Center, USA</td>
</tr>
</tbody>
</table>

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
Durham, NC, USA

10:20 AM - 10:30 AM  
Multi-Organ: One Too Many or Not Enough to Go Around  
**Peter Reese, MD**, University of Pennsylvania, Philadelphia, PA, USA

10:30 AM - 10:40 AM  
Transplant Tourism: Cross-Border Crusade for Organs  
**Eileen Hsich, MD**, Cleveland Clinic, Shaker Heights, OH, USA

10:40 AM - 11:00 AM  
Live Q&A

**Break**  
11:00 AM - 11:15 AM

**AJT Awards**  
11:15 AM - 11:30 AM

11:30 AM - 12:00 PM  
**State-of-the-Art Lecture #2**

11:00 AM - 12:00 PM  
Creating the 1st Life-Saving Xenohert Transplanted into a Person  
**Martine Rothblatt, PhD**, United Therapeutics Corp, Silver Spring, MD, USA

**Break**  
12:00 PM - 12:30 PM

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**Satellite Symposia**  
12:30 PM - 1:30 PM

**Program Topic: All Topics**

**Sponsored Satellite Symposia**

**Break**  
1:30 PM - 2:00 PM

**IMPACT Sessions**  
2:00 PM - 3:00 PM

**Program Topic: Translational**

**CRISPR Technologies in Transplantation**

2:00 PM - 3:00 PM  
**Moderators:**  
**Evan Farkash, M.D., Ph.D.**, Michigan Medicine, Ann Arbor, MI, USA  
**Heidi Yeh, MD**, Massachusetts General Hospital, Boston, MA, USA

2:00 PM - 2:10 PM  
**Advances in CRISPR Technology**  
**To be Determined**

2:10 PM - 2:20 PM  
**CRISPR as a Diagnostic Tool in Transplantation**  
**Leonardo Riella, MD, PhD**, Harvard Medical School, Boston, MA, USA

2:20 PM - 2:30 PM  
**CRISPR Offers Hope for Xenotransplantation**  
**A. Joseph Tector, MD PhD**, Miami Transplant Institute, Miami, FL, USA

2:30 PM - 3:00 PM  
**Live Q&A**

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**Program Topic: APP**

**Expanding the Advanced Transplant Provider Pool: Orientation, Training, and Retention**
**Program Topic: Kidney**

**Long-Term Survival After Kidney Transplantation**

*2:00 PM - 3:00 PM*

**Moderators:**
- **Michelle Josephson, MD**, University of Chicago, Chicago, IL, USA
- **Gabriel Danovitch, MD, FRCP**, University of California, Los Angeles, Los Angeles, CA, USA

*2:00 PM - 3:00 PM*

**Current Status of Long-term Survival After Kidney Transplantation**

- **Kareena Israni, MD, MS**, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

*2:10 PM - 2:20 PM*

**Immunological Interventions that can Improve Long-Term Survival**

- **Peter Nickerson, MD, FRCPC**, University of Manitoba, Winnipeg, MB, Canada

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**Program Topic: Basic Science / Immunology**

**Immunometabolism in Transplantation**

*2:00 PM - 3:00 PM*

**Moderators:**
- **Wayne Hancock, MD, PhD**, Children's Hospital of Philadelphia, Philadelphia, PA, USA
- **Eileen Chambers, MD**, Duke University, Durham, NC, USA

*2:00 PM - 1:50 PM*

**Immunometabolic Engineering of Alloreactive T Cells**

To be Determined

*2:20 PM - 2:30 PM*

**Metabolic Changes in the Aging T Cell and Their Impact on Alloimmunity**

- **Stefan Tullius, MD, PhD**, Brigham & Women's Hospital, Boston, MA, USA

*2:30 PM - 3:00 PM*

**Metabolic Control of T Cell Proliferation**

- **Joseph Baur, PhD**, University of Pennsylvania, Philadelphia, PA, USA
Bryan Whitson, MD, PhD, The Ohio State University, Columbus, OH, USA

2:00 PM - 2:10 PM
Combined DCD Heart/Liver Procurement: The Thoracic Perspective
Mani Daneshmand, MD, Emory, Atlanta, GA, USA

2:10 PM - 2:20 PM
Combined DCD Heart/Liver Procurement: The Abdominal Perspective
Kristopher Croome, MD, Mayo Clinic Florida, Jacksonville, FL, USA

2:20 PM - 2:30 PM
Normothermic Regional Perfusion in the United States
Nader Moazami, MD, NYU Langone Health, New York, NY, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: HLA

New Approaches to HLA Matching and Unacceptable Antigen Determination for Solid Organ Transplantation

2:00 PM - 3:00 PM
Moderators:
Gerald Morris, M.D., Ph.D., University of California, San Diego, La Jolla, CA, USA
Anna Morris, PhD, Emory University, Atlanta, GA, USA

2:00 PM - 2:10 PM
UNOS Histocompatibility Updates: HLA Typing and Unacceptable Antigens
Robert Bray, PhD, Emory University Hospital, Atlanta, GA, USA

2:10 PM - 2:20 PM
Kidney for Life: HLA Matching in Living Donor Transplantation
Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA

2:20 PM - 2:30 PM
Exome Matching for HLA

Loren Gragert, PhD, Tulane University School of Medicine, New Orleans, LA, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Small Bowel

Challenges in Allocation for Multivisceral Transplant

2:00 PM - 3:00 PM
Moderators:
Cal Matsumoto, MD, Georgetown University, Washington DC, DC, USA
Simon Horslen, MB, ChB, UPMC Children's Hospital of Pittsburgh, Pittsburgh, PA, USA

2:00 PM - 2:10 PM
Changes in Prioritization in the New Adult Multivisceral Allocation System
Shunji Nagai, MD, PhD, Henry Ford Hospital, Detroit, MI, USA

2:10 PM - 2:20 PM
Challenges in Access to Organs in Pediatric Intestine and Multivisceral Transplantation
Alisha Mavis, MD, Duke University, Durham, NC, USA

2:20 PM - 2:30 PM
Renal Transplant in Multivisceral Transplantation: Complexity and Allocation Hurdles
Rodrigo Vianna, MD, PhD, University of Miami/Jackson Memorial Hospital, Miami, FL, USA

2:30 PM - 3:00 PM
Live Q&A

Program Topic: Kidney

Biomarkers in Glomerular Diseases: Exploring Utility in Understanding Recurrence Risk and Prognosis Post Transplant

2:00 PM - 3:00 PM
Moderators:
Hatem Amer, Mayo Clinic, Rochester, MN, USA
Ibrahim Batal, M.D, Columbia, New York, NY, USA

2:00 PM - 2:10 PM
UNOS Histocompatibility Updates: HLA Typing and Unacceptable Antigens
Robert Bray, PhD, Emory University Hospital, Atlanta, GA, USA

2:10 PM - 2:20 PM
Kidney for Life: HLA Matching in Living Donor Transplantation
Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA

2:20 PM - 2:30 PM
Exome Matching for HLA
The Role of PLA2r Testing in Membranous Nephropathy: Implication on Prevention and Treatment of Recurrence
Juliette Leon, Resident, Necker Enfants Malades Hôpital, Paris, France

DNAJB9 Staining in Fibrillary GN: Implication on Risk of Recurrence and Long-Term Prognosis
Mireille El Ters, MD, Mayo Clinic, Rochester, MN, USA

The Role of Complement Testing (Genetic and Functional) in Evaluation of C3GN Recurrence Risk and Implication on Treatment
Anuja Java, MD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

Live Q&A - Program Topic: Liver

To Kidney or Not to Kidney: Lesson Learned

Patient Selection for SLKT vs. Kidney After LT: Pre and Post Policy - Medical
Pratima Sharma, MD, MS, University of Michigan Health System, Ann Arbor, MI, USA

Decision Making of SLKT vs. Kidney after LT: Transplant Nephrology Perspective
Hani Wadei, MD, Mayo Clinic, Jacksonville, FL, USA

Surgical Considerations (Timing and Management): Transplant Surgeon Perspective
Shekhar Kubal, MD, PhD, Indiana University School of Medicine, IN, USA

Live Q&A - Program Topic: Pancreas

Wait, Did You Say this is a Pancreas Donor? Time to Get Comfortable Doing More Pancreas Recoveries

Soup to Nuts: Why and How to Safely Recover a Pancreas for Transplantation Whether it’s DBD, DCD, or Extended Criteria
Clark Kensinger, MD, Piedmont Hospital, Atlanta, GA, USA

What’s Working and What’s Not: How to Manage Pancreas Recovery in the World of Concentric Circles?
Kenneth Woodside, MD, University of Michigan, Ann Arbor, MI, USA

Getting Back in the Pancreas Transplant Business? How to Grow a Pancreas Program
Ty Dunn, MD, MS, University of Pennsylvania, Philadelphia, PA, USA

Live Q&A - Sponsor Networking

Year in Review

Most Impactful Papers in Transplant ID
3:30 PM - 4:30 PM

**Moderators:**
- Aruna Subramanian, MD, Stanford University, Stanford, CA, USA
- Maricar Malinis, MD, Yale School of Medicine, New Haven, CT, USA

3:30 PM - 3:50 PM
Fungal Infections
Paschalis Vergidis, Mayo Clinic, Rochester, MN, USA

3:50 PM - 4:10 PM
Viral Infections
Atul Humar, MD, MSC, Toronto General Hospital, Toronto, ON, Canada

4:10 PM - 4:30 PM
Bacterial Infection
Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

4:30 PM - 5:00 PM
Live Q&A

**Rapid Fire Oral Abstract Sessions**
3:30 PM - 5:00 PM

**Program Topic: All Topics**

**Rapid Fire Oral Abstract Sessions**

- **Kidney:** Deceased Donor Selection II
- **Kidney:** Immunosuppression: Desensitization & Acute Antibody Mediated Rejection
- **Kidney:** Immunosuppression
- **Liver:** Recipient Selection
- **Pancreas and Islet:** All Topics
- **Organ Inclusive:** Surgical Issues: Donor and Recipient
- **Psychosocial & Ethics:** Psychosocial and Treatment Adherence
- **VCA**
- **Basic Science / Immunology:** Biomarkers: Clinical Outcomes I
- **Basic Science / Immunology:** Biomarkers: -omics and Systems Biology
- **Basic Science / Immunology:** Antigen Presentation and Costimulation

**Break**
5:00 PM - 5:30 PM

**Rapid Fire Oral Abstract Sessions**
5:30 PM - 7:00 PM

**Program Topic: All Topics**

**Rapid Fire Oral Abstract Sessions**

- **Kidney:** Living Donor & Paired Exchange
- **Kidney:** Recurrent Kidney Disease & Genetics
- **Kidney:** Health Equity and Access II
- **Liver:** Retransplantation and Other Complications
- **Pharmacy:** Non-Organ Specific: Pharmacokinetics / Pharmacogenomics / Drug Interactions
- **Organ Inclusive:** Machine Learning, Artificial Intelligence and Social Media in Transplantation
- **ID:** Kidney Transplant Infections
- **ID:** Viral Hepatitis
- **Basic Science / Immunology:** Biomarkers: Clinical Outcomes II
- **Basic Science / Immunology:** Chronic Organ Rejection
- **Basic Science / Immunology:** Tregs and Tolerance
- **Administrative:** Quality Assurance Process Improvement & Regulatory Issues

**Sponsor Networking**
7:00 PM - 8:00 PM

**Poster Session D**
7:00 PM - 8:00 PM

**Program Topic: All Topics**

**Poster Session D Presenters in Attendance**
**Basic Science / Immunology:** Translational Cellular Therapies: Islet and Stem Cell Transplantation

**Basic Science / Immunology:** Xenotransplantation

**Basic Science / Immunology:** Biomarkers: Clinical Outcomes

**Psychosocial & Ethics:** Psychosocial and Treatment Adherence

**ID:** All Infections (Excluding Kidney & Viral Hepatitis) IV

**ID:** Non-Organ Specific: Viral Hepatitis

**Pharmacy II**

**Kidney:** Acute Cellular Rejection

**Kidney:** Immunosuppression: Novel Regimens and Drug Minimization

**Kidney:** Living Donor: Selection

**Kidney:** Complications: Non-Immune Mediated Late Graft Failure

**Kidney:** Health Equity and Access

**Liver:** Living Donor Liver Transplant and Partial Grafts

**Organ Inclusive:** Deceased Donor Management and Intervention Research

**Organ Inclusive:** Machine Learning, Artificial Intelligence and Social Media in Transplantation

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**Program Topic: Women’s Health**

**Safe Sex and Body Image – Can We Do Right by Our Patients?: Wellness in Solid Organ Transplant Recipients Across All Age Groups**

7:00 AM - 8:00 AM

Moderators: Silvi Shah, MD, MS, University of Cincinnati, Cincinnati, OH, USA

Lisa Coscia, RN, BSN, CCTC, Gift of Life Institute, Philadelphia, PA, USA

7:00 AM - 7:10 AM

‘Pill or Device’ - Contraception Options for the Solid Organ Transplant Recipient

Monika Sarkar, MD, MAS, UCSF, San Francisco, CA, USA

7:10 AM - 7:20 AM

Screening and Management of Sexually Transmitted Infections in Pediatric and Young Adult SOT Recipients

Monica Ardura, DO, MSc, Nationwide Children's Hospital, Columbus, OH, USA

7:20 AM - 7:30 AM

From Scars to Medication Side Effects - Body image issues in the SOT recipient

Elizabeth Steinberg Christofferson, PhD, University of Colorado Anschutz Medical Campus, Aurora, CO, USA

7:30 AM - 8:00 AM

Live Q&A

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**Program Topic: Liver**

**Controversial Indications for Live Donor Liver Transplantation: A Risk Worth Taking?**

7:00 AM - 8:00 AM

Moderators: Elizabeth Pomfret, MD, PhD, University of Colorado, Aurora, CO, USA

Navpreet Kaur, M.D., University of Southern California, Pasadena, CA, USA

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**Poster Chat Sessions**

7:00 PM - 8:00 PM

**Program Topic: All Topics**

**Poster Chat Sessions**

2 Sessions with Poster Presentations and Audience Question & Answer

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**Wednesday, June 8, 2022**

**IMPACT Sessions**

7:00 AM - 8:00 AM
7:00 AM - 7:10 AM
Live Donor Liver Transplantation for Acute Liver Failure
Amit Tevar, MD, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

7:10 AM - 7:20 AM
Live Donor Liver Transplantation for Alcoholic Hepatitis
Ashwani Singal, MD, MS, FAASLD, FACP, AGAF, University of South Dakota Sanford SOM and Avera University Health Center, Sioux Falls, SD, USA

7:20 AM - 7:30 AM
Live Donor Liver Transplantation for HCC Beyond UCSF
Gonzalo Sapisochin, MD, University of Toronto, Toronto, ON, Canada

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Pancreas
Novel Methodologies to Improve Clinical Outcomes after Islet Cell Auto-Transplantation

7:00 AM - 8:00 AM
Moderators:
Marlon F Levy, MD, FACS, Virginia Commonwealth University, Richmond, VA, USA
Jaimie Nathan, MD, Nationwide Children’s Hospital, Columbus, OH, USA

7:00 AM - 7:10 AM
Biomarkers for Islet Cell Survival and Death After Transplantation
Bashoo Naziruddin, PhD, FAST, Baylor University Medical Center, Dallas, TX, USA

7:10 AM - 7:20 AM
Strategies to Increase Islet Yield and Quality for Improving Transplant Outcome
Balamurugan Appakalai, PhD, Nationwide Children’s Hospital, Columbus, OH, USA

7:20 AM - 7:30 AM
Outline Reimbursement Opportunities and Challenges for Islet Auto-Transplantation
Michael Hughes, Jr., MD, Jewish Hospital Transplant Center, Louisville, KY, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Basic Science / Immunology
Non-HLA Antigens and Antibodies

7:00 AM - 8:00 AM
Moderators:
Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA
Annette Jackson, PhD, Duke University, Durham, NC, USA

7:00 AM - 7:10 AM
The Genetics of Non-HLA Contributions to Rejection
Madhav Menon, MBBS, MD, Yale University School of Medicine, New Haven, CT, USA

7:10 AM - 7:20 AM
Impact of Non-HLA Antibodies in Rejection
Nicole Valenzuela, Ph.D, D(ABHI), UCLA, Los Angeles, CA, USA

7:20 PM - 7:30 PM
Anti-GPCR Antibodies and Mechanisms of Rejection
Harald Heidecke, CellTrend Luckenwalde, Luckenwalde, Germany

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Other
New Avenues of Preventing Discard

7:00 AM - 8:00 AM
Moderators:
Robert Montgomery, MD, FACS, PhD, NYU Langone Transplant Institute, New York, NY, USA
Ashish Shah, M.D., Vanderbilt University Medical Center, Nashville, TN, USA

7:00 AM - 7:10 AM
New Avenues in Preventing Liver and Kidney Discard from Circulatory Death Donors and the Impact of Perfusion
Amit Mathur, MD MS, Mayo Clinic in Arizona, Phoenix, AZ, USA
7:10 AM - 7:20 AM
Lung Transplantation from Circulatory Death Donors: Defining New Criteria to Prevent Discard and Impact of OCS Lung Perfusion
Matthew Hartwig, MD, Duke University, Durham, NC, USA

7:20 AM - 7:30 AM
Normothermic Regional Perfusion for DCD Heart Donors
Amy Fiedler, MD, University of Wisconsin, Madison, WI, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Pediatric & Kidney

Choosing a Best Kidney for Pediatric Recipients to Optimize Long-Term Graft Survival: Is There Such a Thing?

7:00 AM - 8:00 AM
Moderators:
Amy Bobrowski, MD, MS, Cleveland Clinic Children's, Cleveland, OH, USA
Asha Moudgil, MD, Children's National Medical Center, Washington, DC, USA

7:00 AM - 7:10 AM
Paired Kidney Registries: Novel Uses
Matthew Cooper, MD, Medstar Georgetown Transplant Institute, Washington, DC, USA

7:10 AM - 7:20 AM
The Role of Class II HLA Matching in Optimizing Long Term Outcomes for Young Transplant Recipients
Anat Tambur, PhD, DMD, Northwestern University, Chicago, IL, USA

7:20 AM - 7:30 AM
Which Living Donor to Use: Role of Living Donor KDPI
Dorry Segev, MD, PhD, Johns Hopkins University, Baltimore, MD, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Translational

Bioengineering in Transplantation: Where We are and Where are We Going?

7:00 AM - 8:00 AM
Moderators:
Kim Solez, MD, University of Alberta, Edmonton, AB, Canada
Harald Ott, MD, Massachusetts General Hospital, Boston, MA, USA

7:00 AM - 7:10 AM
Applications of the Decellularized Extracellular Matrix
Jon Odorico, MD, University of Wisconsin Hospital & Clinic, Madison, WI, USA

7:10 AM - 7:20 AM
3D Printing Organ Manufacturing
Benjamin Humphreys, MD, PhD, Washington University School of Medicine in St. Louis, St. Louis, MO, USA

7:20 AM - 7:30 AM
Engineering the Vascular Network: The Missing Piece of the Puzzle
Laura Niklason, MD, PhD, Yale University, New Haven, CT, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Public Policy & Regulatory

The Perfusion Revolution

7:00 AM - 8:00 AM
Moderators:
Heidi Yeh, MD, Massachusetts General Hospital, Boston, MA, USA
Malcolm MacConmara, MB BCh, TransMedics, Andover, MA, USA

7:00 AM - 7:10 AM
How to Standardize Protocols?
Henri Leuvenink, Professor of Experimental Surgery, UMCG, Groningen, Netherlands

Program Built in Eastern Time Zone
PROGRAM AS OF FEBRUARY 23, 2022
7:10 AM - 7:20 AM
Who Pumps? The TXP Center Perspective.
James Markmann, MD, PhD, Massachusetts General Hospital, Boston, MA, USA

Program Topic: Small Bowel
Advanced Management for Infectious Complications of Intestine/Multivisceral Transplant

7:20 AM - 7:30 AM
Who Pumps? The OPO Perspective
Kevin Myer, MSHA, LifeGift Organ Donation Center, Houston, TX, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Other
Frailty Thy Name is “Human”: Lessons Learned and Gaps to Bridge

7:00 AM - 8:00 AM
Moderators:
Deborah Levine, MD, University of Texas, San Antonio, TX, USA
Teresa De Marco, MD, University of California San Francisco, San Francisco, CA, USA

7:00 AM - 7:10 AM
Malnutrition, Frailty, and Sarcopenia in Liver Transplantation
Jennifer Lai, MD/MBA, University of California, San Francisco, San Francisco, CA, USA

7:10 AM - 7:20 AM
Utilizing Emerging and Old Antibiotics for Multi-Drug Resistant Gram Negative Bacteria Following Intestine and Multivisceral Transplant
Lilian Abbo, MD, University Of Miami Miller School of Medicine, Miami, FL, USA

7:20 AM - 7:30 AM
Recognizing Frailty in the Kidney Standpoint
Mara McAdams DeMarco, PhD, Johns Hopkins, Baltimore, MD, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Administrative
Metrics and Measurement of Transplant Programs: What You Need to Know

7:00 AM - 8:00 AM
Moderators:
Lloyd Ratner, MD, MPH, Columbia University, New York, NY, USA
Anil Chandraker, MD, Brigham and Women's Hospital, Boston, MA, USA

7:00 AM - 7:10 AM
Malnutrition, Frailty, and Sarcopenia in Liver Transplantation
Jennifer Lai, MD/MBA, University of California, San Francisco, San Francisco, CA, USA

7:10 AM - 7:20 AM
Utilizing Emerging and Old Antibiotics for Multi-Drug Resistant Gram Negative Bacteria Following Intestine and Multivisceral Transplant
Mayur Ramesh, MD, Henry Ford Hospital, Detroit, MI, USA

7:20 AM - 7:30 AM
Recognizing Frailty in the Kidney Standpoint
Mara McAdams DeMarco, PhD, Johns Hopkins, Baltimore, MD, USA

7:30 AM - 8:00 AM
Live Q&A
7:00 AM - 7:10 AM
How Do We Risk Adjust For Transplant Program Innovation?
Sumit Mohan, MD, MPH, Columbia University Medical Center, New York, NY, USA

7:10 AM - 7:20 AM
Patient Perspectives on Transplant Program Measurement: What’s Important to Those Using Our Services?
Kareena Israni, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA

7:20 AM - 7:30 AM
MPSC/UNOS New Oversight Metrics: Rationale and Definitions
Richard Formica, MD, Yale University School of Medicine, New Haven, CT, USA

7:30 AM - 8:00 AM
Live Q&A

Program Topic: Pharmacy
Putting Brakes on Increasing Antifungal Resistance: Antifungal Stewardship and Novel Anti-Fungals

7:00 AM - 8:00 AM
Moderators:
Jillian Casale, PharmD, University of Maryland Medical Center, Baltimore, MD, USA
Andrej Spec, MD, MSCI, FECMM, FIDSA, Washington University School of Medicine St Louis, St Louis, MO, USA

7:00 AM - 7:10 AM
Shift in Fungal Epidemiology: Emergence of New Fungal Species and the Impact of Antifungal Overuse
Sarah Taimur, MD, Mount Sinai Medical Center, New York, NY, USA

7:10 AM - 7:20 AM
Increasing Antifungal Resistance and Lessons Learned from Antibacterial Resistance
Yoram Puius, MD, PhD, Montefiore Medical Center, Bronx, NY, USA

7:20 AM - 7:30 AM
Role of Unambiguous Anti-Fungal Stewardship to Curb Anti-Fungal Resistance
Travis King, PharmD, Ochsner Medical Center - New Orleans, New Orleans, LA, USA

7:30 AM - 7:40 AM
Development of Potent Novel Anti-Fungals and Discuss the Impact of Few Novel Agents Such as Ibrexafungerp, Fosmanogepix, Nikkomycin Z
John Baddley, MD, MSPH, University of Maryland School of Medicine, Baltimore, MD, USA

7:40 AM - 8:00 AM
Live Q&A

Break
8:00 AM - 8:30 AM

Plenary Oral Abstract Session
8:30 AM - 9:30 AM

Program Topic: All Topics
Plenary Oral Abstract Session 4

ATC’s People’s Choice Award
9:30 AM - 10:00 AM

ATC’s People’s Choice Award

Break
10:00 AM - 10:15 AM

Controversies in Transplantation
10:15 AM - 11:15 AM

Program Topic: Public Policy & Regulatory
Selflessness or Selfishness: What Philosophy Should Underpin Organ Donor Registration Initiatives?

10:15 AM - 11:15 AM
Moderators:
Kareena Israni, MD, MS, Hennepin Healthcare, University of Minnesota, Minneapolis, MN, USA
Theresa Daly, BS, MS, Gift of Life Institute, Philadelphia, PA, USA

10:15 AM - 10:25 AM
Setting the Stage: Incentivizing Organ Donation to Meet Solid Organ Transplant Needs
Arthur Matas, MD, University of Minnesota, Minneapolis, MN, USA

10:25 AM - 10:35 AM
We Should Encourage Selflessness (Altruism) in Our Organ Donor Initiatives
Alexandra Glazier, JD, MPH, New England Donor Services, Inc., Waltham, MA, USA

10:35 AM - 10:45 AM
We Should Embrace Selfishness in Our Organ Donor Initiatives
Adnan Sharif, MD, University Hospitals Birmingham, Birmingham, United Kingdom

10:45 AM - 10:50 AM
Rebuttal: We Should Encourage Selflessness (Altruism) in Our Organ Donor Initiatives

10:50 AM - 10:55 AM
Rebuttal: We Should Embrace Selfishness in Our Organ Donor Initiatives

10:55 AM - 11:15 AM
Live Q&A

Stanley Jordan, MD, Cedars Sinai Medical Center, West Hollywood, CA, USA

10:25 AM - 10:35 AM
Pro: We have No Other Tools in the Box
Ali Naji, MD, University of Pennsylvania Hospital, Philadelphia, PA, USA

10:35 AM - 10:45 AM
Con: Safer Techniques Already Exist
E. Steve Woodle, MD, University of Cincinnati Medical Center, Cincinnati, OH, USA

10:45 AM - 10:50 AM
Pro - Rebuttal

10:50 AM - 10:55 AM
Con - Rebuttal

10:55 AM - 11:15 AM
Live Q&A

Break
11:15 AM - 11:45 AM

What's Hot / What's New
11:45 AM - 12:30 PM

Program Topic: All topics
What's Hot; What's New

10:15 AM - 11:15 AM
Moderators:
Howard Gebel, PhD, Emory University Hospital, Atlanta, GA, USA
Elaine Reed, PhD, University of California LA, Los Angeles, CA, USA

10:15 AM - 10:25 AM
Defining the Current Status of Desensitization and the Future of Potential Options

Program Topic: Basic Science / Immunology & Translational
We Need Car T-Cells to Effectively Desensitize High PRA Patients