

23rd Annual St. Jude/PIDS Pediatric Infectious Diseases Conference

Symposia in Pediatric ID Research, Transplant/Immunocompromised Hosts Infectious Diseases, Career Development and Global Health

March 6-8, 2024

St. Jude Children's Research Hospital Memphis, Tennessee



St. Jude Children's Research Hospital Department of Infectious Diseases 262 Danny Thomas Place, Mail Stop 320 Memphis, TN 38105-3678



Pediatric Infectious Diseases Society 4040 Wilson Boulevard, Suite 300 Arlington, VA 22203



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Map of St. Jude Children's Research Hospital

WELCOME

March 6, 2024

Dear Colleagues:

On behalf of St. Jude Children's Research Hospital and the Pediatric Infectious Diseases Society (PIDS), we welcome you to the 23rd Annual St. Jude/PIDS Pediatric Infectious Diseases Conference featuring Pediatric Immunocompromised Hosts and Transplant ID, Pediatric Infectious Diseases Research, Global Health and Career Development. The conference draws from all Pediatric Infectious Diseases training programs across the country, along with international programs, with the purpose of highlighting research as a career for pediatric infectious diseases specialists.

This year, faculty, fellows, and students can attend in person and virtually. This is our second in person conference since the COVID-19 pandemic. We are excited to have visitors once again on the campus of St. Jude Children's Research Hospital, as well as offer virtual attendance for many more who are unable to be with us in person.

The program features cutting-edge information relevant to immunocompromised hosts, including updates on HLH, fungal infections, vaccines for immunocompromised hosts, drug monitoring, and the Pediatric Infectious Diseases Transplant Network (PIDTRAN). Additional topics will include a review of Dengue, management of resistant gram-negative bacteria, travel medicine and transplant, updates on RSV and malaria vaccine development, antimicrobial stewardship and PK, and clinical vaccinology. As is tradition, there will be several panels about career development. Of note, we will host a live recording of the "Febrile" podcast during the career sessions. We are also fortunate to have a panel group of department chairs who will share their views on "Strengthening Pediatric Infectious Diseases for the Next 40 Years".

Perhaps most importantly, attendees will have an opportunity to present their original research to colleagues in pediatric infectious diseases, with original science abstract publications in basic and clinical science, epidemiology, laboratory diagnostics, global health, and health outcomes. All accepted abstracts will be presented at an in-person poster session.

We look forward to an excellent conference and to meeting each of you, virtually and in-person, over the next few days. Please contact us or a member of the PIDS Research Affairs Committee or Transplant ID - St. Jude Subcommittee if you have any questions or need anything.

Sincerely,

Octavio Ramilo, MD

Chair, Department of Infectious Diseases St. Jude Children's Research Hospital

Jessica Snowden, MD, MS, MHPTT

Chair, PIDS Research Affairs Committee University of Arkansas for Medical Sciences

Inci Yildirim, MD, PhD, MSc

Chair, PIDS Transplant ID - St. Jude Subcommittee Yale School of Medicine

Miguela Caniza, MD, MPH

Global Pediatric Medicine St. Jude Children's Hospital

GENERAL INFORMATION

Location of Conference

Marlo Thomas Center for Global Education and Collaboration (GEC)

St. Jude Children's Research Hospital 262 Danny Thomas Place Memphis, TN 38105-3678 **Headquarter Hotel Information**

The Peabody Memphis 149 Union Avenue Memphis, TN 38103 (901) 529-4000

Registration Hours

Date	Time	Location	
Tuesday March 5	6:00 - 8:00 p.m.	The Peabody Memphis	
Wednesday March 6	7:00 a.m.	Marlo Thomas Center for Global Education and Collaboration St. Jude Children's Research Hospital campus	
Thursday March 7	7:00 a.m.	Marlo Thomas Center for Global Education and Collaboration St. Jude Children's Research Hospital campus	
Friday March 8	7:00 a.m.	Marlo Thomas Center for Global Education and Collaboration St. Jude Children's Research Hospital campus	

Notable Conference Events

Wednesday, March 6

Poster Session

Global Posters and Transplant/ICH Case Submission Posters Marlo Thomas Center Board Room 5:00 - 6:00 PM | Refreshments will be served.

Thursday, March 7

Poster Session

Research and Transplant/ICH Posters Marlo Thomas Center Board Room 5:00 - 6:00 PM | Refreshments will be served.

Conference Dinner/Celebration

The Peabody Memphis 6:30 – 8:30 PM

GENERAL INFORMATION (Cont'd)

Mothers' Rooms

St. Jude Children's Research Hospital offers several Mothers' Rooms around campus for conference registrants. These rooms can be used to express and store milk while at the conference. Please note that we are unable to facilitate mothers who wish to breastfeed. Infants are not currently allowed on campus. Please seek staff assistance at the Registration Desk to reserve a time and be escorted to these rooms.

Shuttle Bus Service

Shuttle bus service is available for registrants to St. Jude Children's Research Hospital from The Peabody Memphis Hotel. Registrants are responsible for providing their own transportation to any other destination while in Memphis. The following shuttle schedule will be posted at the registration desk.

Date	Time	Pick-up Site	Destination
Wednesday March 6	7:00, 7:15, and 7:30 AM	The Peabody Memphis	St. Jude
	5:30, 5:45, 6:00 and 6:15 PM	St. Jude	The Peabody Memphis
Thursday March 7	7:00, 7:15, and 7:30 AM	The Peabody Memphis	St. Jude
	5:30, 5:45, 6:00 and 6:15 PM	St. Jude	The Peabody Memphis
Friday March 8	7:00, 7:15, and 7:30 AM	The Peabody Memphis	St. Jude
	1:00 PM	St. Jude	The Peabody Memphis
	1:15 PM	St. Jude	Memphis International Airport

Internet Access

St. Jude Children's Research Hospital offers wireless internet access through HopeNet.

Contact Information

For onsite assistance, please contact Christy Phillips with PIDS (202) 306-9545 or Katie Hair with St. Jude Children's Research Hospital (901) 595-2623. For virtual support, please email pidssupport@stjude.org.

AGENDA

	WEDNESDAY, MARCH 6
7:55 - 8:00 AM Auditorium	Welcome and Introduction to the St. Jude/PIDS Pediatric ID Conference Miguela A. Caniza, MD, MPH Director Infectious Diseases Division of Global Pediatric Medicine St. Jude Children's Research Hospital
8:00 - 9:30 AM	Luminaries in Global Health
8:00 – 8:45 AM Auditorium	Dengue: From Local Risk to Global Epidemics Liliana Sánchez-González MD, MPH, CTropMed® Medical Epidemiologist - Dengue Branch Centers for Disease Control and Prevention
8:45 - 9:30 AM Auditorium	A Journey in Dengue Vaccine Research Eduardo Lopez, MD, MSc Scientific Director, Centro de Estudios en Infectología Pediátrica (Center for Studies in Pediatric Infectious Diseases) Associate Professor of Pediatrics, Universidad del Valle Cali, Colombia
9:30 - 9:45 AM Auditorium	Q & A with Luminaries Moderator: Jimmy Carlucci, MD, MPH
9:45 - 10:00 AM	BREAK
10:00 – 10:45 AM Auditorium	Pediatric Transplant/Immunocompromised Hosts Platform Presentation 1 A Renaissance of Novel Antifungal Agents: Learning from Expanded Use in Pediatric Patients Brian T. Fisher, DO, MSCE, MPH Associate Professor of Pediatrics and Epidemiology Perelman School of Medicine at the University of Pennsylvania Children's Hospital of Philadelphia Moderator: Inci Yildirim, MD, PhD, MSc
10:45 - 11:30 AM Auditorium	Frontiers in Pediatric Infectious Diseases, Lecture 1 Paving New Roads: A One Health Approach to Antibiotic Resistant Gram-Negative Bacteria in the Community Latania Logan, MD, MSPH Professor, Division of Infectious Diseases, Department of Pediatrics Emory University School of Medicine
11:30 - 11:45 AM	Moderator: Jessica Snowden, MD, MS, MHPTT Q & A
11:45 – 12:45 PM	LUNCH

AGENDA (Cont'd)

12:45 - 1:30 PM	Breakout Career Sessions	Auditorium	Career Tracks Liset C. Olarte, MD, MSCI: Clinical Research and Diversity & Health Equity Associate Professor of Pediatrics Division of Infectious Diseases Baylor College of Medicine Thomas G. Boyce, MD, MPH: Navigating the Challenges of a Smaller ID Practice Pediatric Infectious Diseases and Immunology Marshfield Clinic Health System Emma Mohr, MD, PhD: Physician Scientist Assistant Professor, Division of Infectious Diseases University of Wisconsin School of Medicine and Public Health
		Meeting Room 2	Finding the Right Job to Develop Your Niche Neil Surana, MD, PhD Assistant Professor Department of Pediatrics Duke University John Williams, MD
			Chief, Pediatric Infectious Diseases University of Pittsburgh School of Medicine UPMC Children's Hospital of Pittsburgh
		Lecture Hall	How Compensation Works in Pediatric ID Paul Spearman, MD Vice Chair for Clinical and Translational Research and Education Cincinnati Children's Hospital
1:30 – 2:10 PM Auditorium	Career Development Presentation How to Develop and Evolve as a [Digital] Medical Educator Sara Dong, MD Assistant Professor of Medicine, Division of Infectious Diseases Emory University School of Medicine Moderator: Emma Mohr, MD, PhD		
2:10 - 3:00 PM Auditorium	"Febrile" Live Podcast Recording Sara Dong, MD Assistant Professor of Medicine, Division of Infectious Diseases Emory University School of Medicine		
3:00 – 3:15 PM	Moderator: Emma Mohr, MD, PhD BREAK		
3:15 – 4:00 PM Auditorium	Career Presentation Remembering 1989. How a Family in India Affected by HIV Shaped my Career Rana Chakraborty, MD, MSc, FAAP, FRCPCH, D.Phil. (Oxon), FPIDS, FIDSA Professor and Consultant Department of Pediatrics and Adolescent Medicine Mayo Clinic College of Medicine and Science Moderator: Emma Mohr, MD, PhD		

4:00 - 4:35 PM Auditorium	Oral Abstracts Session 1 Abstract Presentation 1: Transplant Infectious Diseases Sara Kim, MD (Seattle Children's Hospital/University of Washington) "Viral epitope profiling of hematopoietic cell transplant recipients with respiratory syncytial virus upper respiratory tract and lower respiratory tract infections" Abstract Presentation 2: Global Health Dolores Freire, MD (University of Alberta) "Facilitators and barriers to revaccination after hematopoietic stem cell transplantation among pediatric patients in Ecuador" Abstract Presentation 3: General Research Wefag Ahmed, MD (SUNY Downstate Health Sciences University) "Th2 and IL-17 responses in Chlamydia pneumoniae-stimulated PBMC in asthmatic and non-asthmatic subjects"
	Moderator: Hamid Bassiri, MD, PhD
5:00 - 6:00 PM Board Room	Poster Session - Global & Transplant Case Posters
	THURSDAY, MARCH 7
7:50 AM Auditorium	Welcome and Announcements Inci Yildirim, MD, PhD Yale New Haven Children's Hospital Associate Professor of Pediatrics and Epidemiology Yale School of Medicine Yale School of Public Health Gabriela Maron, MD, MSc Director IDS-BMTCT Department of Infectious Diseases St. Jude Children's Research Hospital
8:00 – 9:00 AM Auditorium	Grand Rounds HLH: 101 to 2024 Ashish Kumar, MD, PhD Professor of Pediatrics Co-director, Histiocytosis Center Cincinnati Children's Moderator: Hamid Bassiri, MD, PhD
9:00 - 9:45 AM Auditorium	Pediatric Transplant/Immunocompromised Hosts Platform Presentation 2 What's New and on the Horizon for Pneumococcal and RSV Vaccines in Children Rick Malley, MD Senior Physician in Medicine, Division of Infectious Diseases Boston Children's Hospital Professor of Pediatrics Harvard School of Medicine Moderator: Inci Yildirim, MD, PhD, MSc

9:45– 10:15 AM Auditorium	Updates from the Pediatric Infectious Diseases Transplant Network (PIDTRAN) Sanya Thomas, MD Assistant Professor of Pediatrics Host Defense Program, Pediatric Infectious Diseases Division of Infectious Diseases Nationwide Children's Hospital Kevin J. Downes, MD Vice-Chair, PIDS Transplant Research Subcommittee Assistant Professor of Pediatrics, Perelman School of Medicine University of Pennsylvania Attending Physician, Division of Infectious Diseases Children's Hospital of Philadelphia Moderator: Gabriela Maron, MD, MSc
10:15 - 10:45 AM	BREAK
10:45 – 11:30 AM Auditorium	Panel - The Good, Bad & Ugly of Therapeutic Drug Monitoring in Immunocompromised Children Kevin J. Downes, MD Assistant Professor of Pediatrics, Perelman School of Medicine University of Pennsylvania Attending Physician, Division of Infectious Diseases Children's Hospital of Philadelphia Shane Cross, PharmD, BCPS Clinical Pharmacy Specialist, Antimicrobial Stewardship Department of Pharmacy and Pharmaceutical Sciences St. Jude Children's Research Hospital Moderator: Gabriela Maron, MD, MSc
11:30 - 12:00 PM Auditorium	Oral Abstracts Session 2 Abstract Presentation 4: Transplant Varvara Probst, MD (Nationwide Children's Hospital) Evaluation of CMV T-cell Mediated Immunity in Children with CMV DNAemia After Allogeneic Hematopoietic Cell Transplantation Abstract Presentation 5: General Research Matthew Mayorga (Kansas City University) Bovine Lactoferrin Impairs in-vitro Growth of Neonatal Sepsis-causing Escherichia Coli Clinical Isolates Moderator: Jessica Snowden, MD, MS, MHPTT
12:00 – 1:00 PM	LUNCH
1:15 - 1:40 PM Auditorium	Oral Abstracts Session 3 Abstract Presentation 6: Global Health Haya Hayek, MD (Vanderbilt University Medical School) Long-Term Trends in Antibiotic Use in a Low-Resource Medical Setting: Amman, Jordan (2010–2023) Abstract Presentation 7: Top Abstract Global Submission Sumanth Cherukumilli, MD (University of Maryland) High Mortality Rates and Antimicrobial Resistance in Children with Invasive Bacterial Infections in a Tertiary Care Facility in West Africa Moderator: Elizabeth Schlaudecker, MD, MPH, FPIDS, FAAP

1:40 – 2:40 PM Auditorium	Interactive Debate Pediatric Transplant ID Goes Global Elizabeth A. Moulton, MD, PhD Assistant Professor, Pediatrics - Infectious Diseases Texas Children's Hospital/Baylor College of Medicine Tanvi Sharma, MD, MPH Director of Infectious Diseases Pediatric Transplant Center Boston Children's Hospital/Harvard Medical School Paul Sue, MD Associate Professor, Pediatrics Columbia University Moderator: Monica I. Ardura, DO, MSCS, FAAP, FPIDS
2:40 - 3:00 PM Auditorium	BREAK
3:00 – 4:30 PM	Panel Discussion - Strengthening Pediatric Infectious Disease for the Next 40 Years Archana Chatterjie, MD, PhD Dean, Chicago Medical School Rosalind Franklin University of Medicine and Science Sallie Permar, MD, PhD Chair, Department of Pediatrics Weill Cornell Medicine Juan C. Salazar, MD, MPH, FAAP Professor and Chair, Department of Pediatrics University of Connecticut School of Medicine Executive Vice President of Academic Affairs & Physician-in-Chief Joseph W. St. Geme, MD Chairman, Department of Pediatrics Children's Hospital of Philadelphia Moderator: Neil Surana MD, PhD
5:00 - 6:00 PM Board Room	Poster Session - Research and Transplant/ICH
6:30 - 8:30 PM	Dinner at The Peabody Memphis - Continental Ballroom
	FRIDAY, MARCH 8
7:50 - 8:00 AM Auditorium	Welcome and Announcements William J. Steinbach, MD Chair, Department of Pediatrics University of Arkansas for Medical Sciences Pediatrician-in-Chief Arkansas Children's President, Pediatric Infectious Diseases Society Octavio Ramilo, MD Chair, Department of Infectious Diseases St. Jude Children's Research Hospital

	Frontiers in Pediatric Infectious Diseases, Lecture 2	
8:00 – 8:50 AM Auditorium	The Journey of Protecting Infants from RSV Through Maternal Immunnization Flor Munoz-Rivas, MD	
	Associate Professor of Pediatrics	
	Division of Infectious Diseases and Molecular Virology and Microbiology Baylor College of Medicine	
	Moderator: Octavio Ramilo, MD	
8:50 - 9:40 AM Auditorium	Frontiers in Pediatric Infectious Diseases, Lecture 3 Malaria Vaccine Development, a Career Path in Peds ID Matthew B. Laurens, MD, MPH, FAAP, FPIDS Professor of Pediatrics, Medicine, and Pathology Director, Pediatric Infectious Diseases Fellowship Director, International Clinical Trials Unit, Malaria Research Program Center for Vaccine Development and Global Health (CVD) University of Maryland School of Medicine	
	Moderator: Jessica Snowden, MD, MS, MHPTT	
9:40 - 9:55 AM	BREAK	
	Challenging Cases in Immunocompromised Hosts	
	Case 1: Eleana Vasileiadi, MD (Children's Hospital of Philadelphia) When it (d)rains, it pours: An usual case of chronic supporative otitis in an immunocompromised host	
	Case 2:	
9:55 - 10:55 AM	Mohamad Shieb, MD (Medstar Georgetown University Hospital) Fever in a Pediatric Liver Transplant Recipient	
Auditorium	Case 3: Gina Lee, MD (University of Texas Southwestern) Spider Bite?	
	Case 4: Morgan Martinez, APRN, CPNP-AC (Texas Children's Hospital) Septic Shock: More than Meets the Eye	
	Moderator: Manjiree Karandikar, MD, MBS	
10:55 - 11:45 AM Auditorium	Frontiers in Pediatric Infectious Diseases, Lecture 4 Antimicrobial Stewardship Through the PK Lens Andrea Hahn, MD, MS Attending, Pediatric Infectious Diseases	
	Children's National Mederator: Octovio Bamilo MD	
11:45 AM - 12:00	Moderator: Octavio Ramilo, MD	
PM	BREAK - Pick up lunch and return to the Auditorium	
12:00 – 1:00 PM Auditorium	Director of the Oxford vaccine droup	
	Moderator: Octavio Ramilo, MD	
1:00 PM	ADJOURN	

CONTINUING MEDICAL EDUCATION INFORMATION

Educational Objectives

After attending this educational conference, you should be able to:

- Describe updates to current standards in the diagnosis, treatment and management of infectious complications in pediatric immunocompromised patients, including T cell therapies.
- Explain advances in the management of infections in transplant patients.
- Explain new developments in host-pathogen interaction, focusing on bacterial, viral, and fungal infections.
- Identify opportunities and challenges during the transition from residency to fellowship and from fellowship to faculty.
- Discuss global health-related opportunities for trainees and to share strategies for conducting clinical research in research limited settings.

Please note that session objectives will be presented during the conference as appropriate.

Accreditation Statement



This activity has been planned and implemented in accordance with the accreditation requirements This activity has been planned and implemented in about 2005.

and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of St. Jude Children's Research Hospital and Pediatric Infectious Diseases Society.

St. Jude Children's Research Hospital is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation

St. Jude Children's Research Hospital designates this live activity for a maximum of 18.00 AMA PRA Category 1 Credits™. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Evaluation and Claiming Credit

To claim AMA PRA Category 1 Credit™ or attendance credit for this activity, you must attend the sessions and follow the instructions below to claim credit by July 8th, 2024.

- Go to cme.stjude.org
- Sign in using the email address you used when registering for this conference and your password (if you need to set or reset your password, click "forgot my password" and follow the instructions; St. Jude employees should choose "Sign in with your St. Jude ID")
- Choose the Claim Credit tile (or choose Claim Credit from the MyCME menu)
- Enter the Event ID 5728 click "Verify Event ID," and complete the short attestation form
- You will then receive your certificate via email

Be sure to claim credit commensurate to your participation in the conference. Note that the meet-poster session is non-accredited and does not count toward CME credit. If you have questions about claiming your CME or attendance credit, please contact us at cme@stjude.org. PIDS will send a link to the conference evaluation separately.

Disclosure of Financial Relationships*

All individuals in a position to control the content of this CME activity (such as faculty, presenters, and planners) were asked to complete a statement regarding all financial relationships between themselves and any ineligible company (defined by the ACCME as any entity whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients).

CONTINUING MEDICAL EDUCATION INFORMATION (Cont'd)

All relevant financial relationships (as of February 12, 2024) are disclosed below and have been mitigated. No other speakers, planners, or other individuals with control over content have disclosed relevant financial relationships with ineligible companies. Updated disclosure information will be available in the conference lobby (both in-person and virtual) when the conference begins if needed.

Name	Company	Type of Relationship
Archana Chatterjee,	Merck Pfizer SanofiPasteur Seqirus	Consulting fee
MD, PhD	SanofiPasteur	Speakers Bureau
Buddy Creech, MD, MPH	GSK Moderna Sanofi Cowen Investments CommenseBio Pfizer (Relationship has ended)	Consulting fee
Shane Cross, PharmD	Pfizer	Grant/research support
Kevin Downes, MD	Paratek, Inc. (Relationship has ended)	Grant or research support
Brian Fisher, DO	Merck Allovir Pfizer	Grant or research support
Andrea Hahn, MD	TGV Dx	Consulting fee
Ashish R. Kumar, MD, PhD	SOBI	Consulting fee
Eduardo Lopez, MD	Takeda SANOFI PASTEUR GSK -Merck	Grant or research support
	GSK	Paid consultant
	Merck (Relationship has ended)	Honorarium
Richard Malley, MD	Corner Therapeutics	Membership on Advisory Committees or Review Panels, Board Membership, etc.
Gabriela M Maron, MD	Astellas Inc SynBio	Grant or research support
Elizabeth Moulton, MD	Pfizer Gilead	Grant or research support
Andrew Delland DhD	Shionogi	Consulting fee
Andrew Pollard, PhD	Serum Institute of India, AstraZeneca	Grant or research support
Octavio Ramilo, MD	Merck Adagio (relationship has ended) Sanofi Pfizer	Membership on Advisory Committees or Review Panels, Board Membership, etc,
	Janssen	Grant or research support
Flor Rivas-Munoz, MD	Pfizer	Grant or research support, Membership on Advisory Committees or Review Panels, Board Membership, etc.
	Moderna	Membership on Advisory Committees or Review Panels, Board Membership, etc
	Sanofi, Astra Zeneca, GSK (all relationships have ended)	Membership on Advisory Committees or Review Panels, Board Membership, etc
Jessica Snowden, MD	Pfizer	Membership on Advisory Committees or Review Panels, Board Membership, etc



- Entrance Gates
- P Patient Only Parking
- Blood Donor Parking
- Off-Campus Parking
- Marlo Thomas Center
- Kay Kafe
- Mail Services Center
- ALSAC Gift Shop

- Danny Thomas/ALSAC Pavilion
- B Patient Care Center
 - Richard C. Shadyac ALSAC Tower
- D Danny Thomas Research Center
- E Donald P. Pinkel, MD, Research Tower
- Donald F. Filikel, MD, Research To
- © Central Energy Plant
 - AutoZone Garage 1
- (GA) BLSS Building
- H Incinerator/Hazardous Waste
 -) Chili's Care Center
- (A) Kay Research & Care Center
- 545 Danny Thomas Place

- K 595 Building
- 567 Danny Thomas Place
- M Inspiration 4 A.R.C.
- M Vivarium
- N 305 Building
- Tamer-Rashid Building East
- (A) Tamer-Rashid Building West
- Domino's Event Center
- P AutoZone Garage 2
- R Longinotti Building
- S Barry Building

- Tri Delta Place
- The Domino's Village
- ALSAC Gift Shop
- (V) St. Jude GMP Facility
- W 448 North Second
- X 160 Shadyac Avenue
- (Y) Garage 3
- Data Center
- 733 Warehouse
- (I) North Galloway
- (Y) South Galloway
- (Z) 655 Warehouse

