

2023 NICER SYMPOSIUM

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2023 ANNUAL SYMPOSIUM

WHERE THE WILD CELLS ARE:

*Understanding How Disruptions
in the Immune System Impact
Hematopoiesis*

September 28-30, 2023
The Oaklander Hotel
Pittsburgh, PA

Join us as we explore the raucous (sometimes seemingly over-imaginative) immune system as it tests the limits of hematopoiesis and our ability to tame the wild cells.

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WELCOME



Welcome to the hybrid 2023 NICER Symposium, “Where the Wild Cells Are: Understanding How Disruptions in the Immune System Impact Hematopoiesis,” hosted in Pittsburgh, PA. We are excited to join you in the City of Bridges as we explore the complex interplay of the immune systems and hematopoiesis.

As in past years, the 2023 symposium is delighted to continue audience favorites such as the “Pro-Con Debates” and “Tales of the Case Conference” where we will emphasize the multi-specialty nature of immuno-heme disorders and highlight recent advances along with ongoing knowledge gaps. A special in- person version of the “Speed Mentoring” will be hosted for in-person attendees as well as entertaining evening events, including our NICER Reception created in collaboration with Sobi and an informal gathering at Phipps Conservatory & Botanical Garden.

If you are interested in learning more about NICER and becoming further engaged in ongoing (or new!) NICER activities, please reach out via info@nicerconsortium.org.

ABOUT



North American Immuno-Hematology Clinical Education & Research Consortium mission is to provide a collaborative multidisciplinary environment to advance the education, clinical care, and research involving pediatric and adult patients with immuno-hematologic disorders.

Scope: The target patient population encompasses all disorders within immuno-hematology including those with complex immune cytopenias, bone marrow failure, lymphoproliferative and histiocytic disorders, immune deficiencies, autoinflammatory disorders and immune dysregulatory syndromes along with emerging phenotypes of a similar nature. Given that institutional referral patterns and expertise vary, NICER is committed to being purposefully inclusive of pediatric and adult providers from multiple disciplines including, allergy/immunology, genetics, hematology/oncology, hematopoietic stem cell transplant, rheumatology, infectious disease, gastroenterology, endocrinology, etc. to enrich the educational environment and research goals of the consortium.

Goals:

1. Establish a network of clinicians and researchers with interest and expertise, to share ideas, provide care and study patients with immuno-hematologic disorders.
2. Utilize the collective experiences and the multi-disciplinary expertise within the consortium to provide a unique learning and mentoring environment open to both members and non-members.
3. Leverage the pooled, diverse resources of the members to create a platform for clinical trials, basic science, and translational research with the development of a clinically annotated database, biorepository and network of member centers unified via a central IRB.
4. Partner with academic societies, institutes and foundations with mutual objectives, to empower the educational initiatives and accelerate research discoveries in areas related to immuno-hematology.

MEMBERS

NICER Consortium relies on two types of membership: institutional members and individual members to allow for robust and meaningful participation by all those interested. Members from the fields of hematology/oncology, allergy/immunology, rheumatology, genetics, infectious disease, diagnostic immunology and more are actively being recruited.

Institutional members have signed a "memorandum of understanding" or MOU to attest their institutional commitment of resources and pledge active participation in both the educational, research and community facets of NICER. Institutional members designate an PI and co-I with expectations to participate in at least 70% of the monthly Steering and At-Large Committee Meetings, although additional faculty and trainees from each center are highly encouraged to participate. Institutional members have opportunities to serve in elected leadership positions, act as a lead investigator on a NICER supported research proposal and have access to expanded authorship opportunities. New institutional membership requests are reviewed by the Steering Committee and a modest administrative fee is assessed annually.

For those not in a position to join NICER at an institutional level, we welcome your participation as an individual member. Individual members are noted as important contributors to the vibrancy and success of NICER and enjoy the benefits of access to all NICER educational activities (e.g. the monthly patient case conferences, mini-symposia), options to propose research studies in collaboration with an institutional member and authorship opportunities for significant contributions to NICER research.

Institutional Members:

- University of Michigan
- Nationwide Children's Hospital
- Cleveland Clinic
- Rainbow Babies & Children's Hospital
- Washington University in St. Louis
- UPMC Children's Hospital of Pittsburgh
- Vanderbilt University Medical Center
- University of South Florida
- Baylor College of Medicine
- John Hopkins University
- Indiana University
- University of Chicago
- Children's Hospital of Philadelphia
- University of Minnesota
- Phoenix Children's Hospital
- University of Toronto
- Medical College of Wisconsin
- St. Jude Children's Research Hospital
- Sanford Health
- Wayne State University



POSTER HALL

Educational Abstracts:

ROSAI-DORFMAN-DESTOMBES DISEASE AND IGG4-RELATED DISEASE – A POINT OF INTERSECTION OR DISTINCT ENTITIES?

ET Hamanishi*, A Grim, NM Saad, J Agrusa and K Walkovich

RECURRENT LYMPHOCYTIC PANNICULITIS WITH HEMOPHAGOCYTIC LYMPHOHISTIOCYTIC-LIKE EPISODES RESPONSIVE TO RUXOLITINIB

J Pruitt*, K Walkovich, TF Michniacki, D Frame, N Saad,

WHAT COULD BE LURKING ALONGSIDE NEUTROPENIA? SRP54 VARIANTS CAN CAUSE SEVERE CONGENITAL NEUTROPENIA AND SHWACHMAN-DIAMOND-LIKE SYNDROME

J Tomolonis*, K Zajo, M Rose, DO

FOLLICULAR THYROID CARCINOMA IN A PATIENT WITH ATAXIA-TELANGIECTASIA

JR Blase*, TF Michniacki, K Walkovich

GENETIC TESTING IDENTIFIES SPTB-RELATED HEREDITARY SPHEROCYTOSIS IN A PATIENT WITH PRESUMED COVID-19 TRIGGERED AUTOIMMUNE HEMOLYTIC ANEMIA

L Bou-Maroun*, TF Michniacki, M Hannibal, L Fraizer, and K Walkovich

IKAROS RELATED INBORN ERROR OF IMMUNITY- CASE PRESENTATION

S Awad*, H Lesmana, S Rotz.

FETAL LANGERHANS CELL HISTIOCYTOSIS WITH PULMONARY INVOLVEMENT IDENTIFIED ANTENATALLY VIA ULTRASOUND
BC Lau*, TY Hu, M Arnolds, T Michniacki, K Walkovich

Research Abstracts:

A DESCRIPTIVE ANALYSIS OF CYTOPENIAS IN CHILDREN WITH INBORN ERRORS OF IMMUNITY

J Lew*, C Corriveau-Bourque, S Suresh.

AGGRESSIVE FEVER MANAGEMENT IN PEDIATRIC CHRONIC NEUTROPENIA YET FEW INVASIVE BACTERIAL INFECTIONS

A Matthews*, C Moore Smith, H McDaniel, S Zarnegar-Lumley, BN Smith, J Schwartz, AJ Esbenschade, JA Connolly

RESULTS OF A PHASE 3 TRIAL OF AN ORAL C-X-C CHEMOKINE RECEPTOR 4 (CXCR4) ANTAGONIST, MAVORIXAFOR, FOR TREATMENT OF PATIENTS WITH WARTS, HYPOGAMMAGLOBULINEMIA, INFECTIONS, MYELOKATHEXIS (WHIM) SYNDROME

TK. Tarrant*, R Badolato, 4WHIM Study Group; J Donadieu



Race For Immunology is proud to support the Education Abstracts knowing first-hand how immense of an impact one patient story can make.

THURSDAY

Welcome!

4:00 PM REGISTRATION OPENS

Come to the registration table to see your NICER friends!

EVENING SESSION - AN OCEAN TO TRAVEL

5:00 PM WELCOME ADDRESS

Moderator: Hey Chong, MD PhD (UPMC Childrens Hospital)

“Fishing for Complements in the Three Rivers”

John Williams, MD (UPMC Children’s Hospital)

6:00 PM NICER RECEPTION

Thank you to SOBI for sponsoring the NICER Reception.

8:00 PM NICER RECEPTION ENDS

Don’t worry there is more fun ahead!

Join us tomorrow for breakfast beginning at 7:00AM.



FRIDAY



7:00 AM - 8:00 AM - BREAKFAST

MORNING SESSION - LET THE WILD RUMPUS START

8:00 AM NICER INTRODUCTION

Moderators: Jignesh Dalal, MD (Rainbow Babies & Children's Hospital) & Archana Ramgopal, MD (UPMC Children's Hospital of Pittsburgh)

8:10 AM KEYNOTE SPEAKER

“Cells Gone Wild in the Jungle of Hematopoietic Stem Cell Transplant”
Christen Ebens, MD (University of Minnesota)

8:55 AM KEYNOTE SPEAKER

“Pediatric Complex Immune Cytopenias: Unraveling the Chaos of Immune Dysregulation”
Shan Chandrakasan, MD (Children's Hospital of Atlanta)

Short break for transition to next segment.

9:45 AM STUMP THE PROFESSOR

Learn how the experts think! Join us as patient-based cases are presented to the keynote speakers live for a real-time discussion and insights to their thought process in considering the differential diagnosis and management.



FRIDAY

Continued

10:50 AM ORAL ABSTRACTS

Moderator: Jignesh Dalal, MD (Rainbow Babies & Children's Hospital)

- “Insights Through Detailed Immunophenotyping into the Immune Etiology of Indeterminate Pediatric Acute Liver Failure (IND-PALF): An Immune Dysregulatory Disease”

Amrita Basu, PhD (Nationwide Children's Hospital)

- “Early T Cell Development in Twin with Heterozygous FOXP1 Mutations”

Kelsey Voss, PhD (Vanderbilt University Medical Center)

- “Heterozygous Pathogenic Variant in Nuclear Factor Kappa B Subunit in a Patient Presenting with Immunodeficiency, Psoriasis and Adrenal Insufficiency”

Christopher Failing, MD (Sanford Health)

- “High Prevalence of Venous Thromboembolism in a Retrospective Single Institution Review of Patients with Chronic Granulomatous Disease”

Mark Dulchavsky, BS (University of Michigan)

11:35 AM - 12:35 PM - LUNCH

12:35 PM - 1:35 PM INTERACTIVE SESSIONS

- SPEED MENTORING
- EXHIBIT HALL OPEN
- POSTER HALL OPEN

REGISTER HERE FOR
SPEED MENTORING



FRIDAY

Continued



AFTERNOON SESSION - FAR AWAY ACROSS THE WORLD

1:40 PM - 2:40 PM SCIENTIFIC SPOTLIGHT

Moderator: Erin Janssen, MD PhD (University of Michigan)

“Biologic functions of IL-9 in Autoimmune and Autoinflammatory Conditions”
Daniella Schwartz, MD (University of Pittsburgh)

“The New Era of Immune Phenotyping in Immune Dysregulation”
Jolan Walter, MD PhD (University of South Florida)

2:45 PM - 3:45 PM DIVERSITY PANEL

Moderators: Beth Thielen, MD PhD (University of Minnesota), Xiao Peng, MD (John Hopkins University), Charlie Billington, MD (University of Minnesota)

“Maximizing Inclusivity of Special Populations with IEI”
Ambroise Wonkam, MD PhD (John Hopkins University)
Diana Hu, MD (Tuba City Regional Health Care Corporation)
Katrina Claw, PhD (University of Colorado)

3:50 PM - 4:00 PM - CLOSING

4:00 PM - 5:00 PM - EXHIBITOR & POSTER HALL OPEN

**ENJOY YOUR EVENING OUT IN PITTSBURGH.
PLEASE SEE OUR LIST OF RECOMMENDATIONS.**



EXPLORING PITTSBURGH

A list of recommended things to do and see during your stay!

Places to explore:

Phipps Conservatory & Botanical Gardens. One Schenley Park,
Pittsburgh, PA 15213

Places to dine:

Butterjoint- James Beard nominated chef features farm to table, seasonal menu with small plates and excellent cocktails within walking distance of the hotel. And great spot for pierogies! 208 N. Craig St. 412-621-2700. www.butterjoint.com

Casbah- Upscale Mediterranean-inspired food with seasonal, locally sourced menu. Valet parking. 220 South Highland Avenue 15232. 412-661-5656. www.casbah.kitchen

Galley Bakery Square- Multiple pop-up restaurants and bar in a fun casual setting with great outdoor seating. 145 Bakery Square Blvd. www.galleybakerysquare.org

Lucca Ristorante- Cozy Italian restaurant within walking distance of the hotel. 317 South Craig St. 412-682-3310. www.luccaristorante.com

Muddy Waters Oyster Bar- Laid back Cajun food, with daily fresh oyster selections. Live jazz on some evenings. 130 South Highland Ave. 412-361-0555. www.muddywaterspgh.com

SATURDAY



8:00 AM - 9:00 AM - BREAKFAST

MORNING SESSION - INTO THE NIGHT OF THE MARROW

9:00 AM NICER INTRODUCTION

Moderators: Roshini Abraham, PhD (Nationwide Children's Hospital) & Jennifer Blase, MD PhD (University of Michigan)

9:10 AM KEYNOTE SPEAKER

The Hematopathology of Immune Cytopenias"

Keynote Speaker: Mark Fleming, MD PhD (Harvard University)

10:00 AM - 11: 45 AM PRO-CON DEBATES

DEBATE 1

VS

ERIN JANSSEN, MD PHD

JOLAN WALTER, MD PHD

SHOULD ALL PATIENTS WITH REFRACTORY IMMUNE CYTOPENIAS RECEIVE ANTI-CD20+AB?

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DEBATE 2

VS

JULIA WARREN, MD PHD

JAMES CONNELLY, MD

DOES G-CSF RELATED INFLAMMATION DRIVE CLONAL HEMATOPOIESIS?

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DEBATE 3

VS

JP MATIAS-LOPES, MD

EUNKYUNG SONG, MD

DO PATIENTS WITH POLYSPLENIA OR ASPLENIA NEED ANTIBIOTIC PROPHYLAXIS LIFE-LONG?

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12:00 PM - 12:45 PM TALES OF THE CASE CONFERENCE

Adrian Lesmana, MD PhD (Cleveland Clinic) & Allison Remiker, MD (Medical College of Wisconsin)

12:45 PM - 1:00 PM AWARDS AND CLOSING

THANK YOU

**NICER WANTS TO HEAR FROM YOU!
SCAN BELOW TO SHARE YOUR THOUGHTS,
COMMENTS & SUGGESTIONS.**



NICER

North American
Immuno-Hematology
Clinical Education & Research

ITS NOT GOODBYE, BUT SEE YOU SOON!

ASK US ABOUT THE NEXT UPCOMING NICER EVENT.