

3rd International Symposium on the **Biology, Prevention and Treatment** of **Toxicities of Transplantation** and **Cellular Therapies**

APRIL 28-29, 2023 • NEW YORK, NY
(IN-PERSON / VIRTUAL)

CENTRAL NERVOUS SYSTEM/
NEUROPSYCHIATRIC

CARDIOVASCULAR

PULMONARY

GASTROINTESTINAL/HEPATIC

DERMATOLOGIC

HEMATOLOGIC

INFECTIOUS

LATE EFFECTS



Memorial Sloan Kettering
Cancer Center

 **ASTCT**[™]
American Society for
Transplantation and Cellular Therapy

This Symposium brings together **experts and thought leaders from around the world** to discuss **mechanisms of toxicities** and **symptom burden** after HCT and cellular therapies, **current advances in the field**, and best practices to both **prevent and treat these toxicities and symptoms**, including:

CENTRAL NERVOUS SYSTEM/ NEUROPSYCHIATRIC

- Chemobrain
- Anxiety
- Depression
- Fatigue

CARDIOVASCULAR

- Cardiomyopathy
- Thromboembolism

PULMONARY

- Pneumonitis
- Dyspnea

GASTROINTESTINAL/HEPATIC

- Mucositis
- Colitis
- Nausea/Vomiting/Diarrhea
- Sinusoidal Obstruction Syndrome

DERMATOLOGIC

- Alopecia
- Skin Rashes

HEMATOLOGIC

- Thrombotic Microangiopathy
- Cytopenias
- Bleeding Disorders

INFECTIOUS

- Febrile Neutropenia
- Opportunistic Infections

LATE EFFECTS

- Financial Toxicities
- Psychosocial Stress

Overview

This unique two-day program will be comprised of sessions dedicated to a **wide range of pre-clinical, translational, and clinical topics**, including cellular therapies as a model of accelerated aging, CAR T cell-related toxicities, infectious complications, decision science, the role of the gut microbiome in toxicities, debates on how to diagnose and treat difficult complications such as transplant-associated thrombotic microangiopathy, and several keynote lectures from world experts.

Our symposium will help facilitate **networking and multidisciplinary research collaborations**.

Who Should Attend

The target audience for this Symposium includes physicians, advanced practice providers, and nurses who treat or refer patients for hematopoietic cell transplantation or immune effector cell therapies (i.e., CAR T cells; tumor infiltrating lymphocytes, or T cell receptor therapy).

In-person or Virtual

This Symposium will be available in-person at Memorial Sloan Kettering's Zuckerman Research Center in New York City or virtually via Zoom. In-person attendees have the option to register to attend the special luncheon session as well as the networking/poster reception.

Special Luncheon Session

Available to in-person attendees only, the focus of this optional luncheon session on Friday afternoon is on **Improving Outcomes with Active Acute Leukemia Undergoing Transplant**. Due to space, the luncheon is only available to **50 attendees** and selection must be made during course registration.

Networking and Poster Reception

In-person attendees are also invited to attend the networking reception on Friday evening, which will include an exciting poster session. This event will be held in the lobby of Zuckerman Research Center and **RSVP is required**. Hors d'oeuvre and refreshments will be served.

Call for Abstracts

We are pleased to invite the submission of abstracts for this Symposium. Abstracts will be selected on the basis of their scientific merit and content quality.

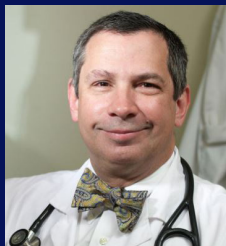
Abstract submission is open to all, and we also highly encourage fellows, residents, pharmacists, and advanced practice providers to submit relevant abstracts in the area of biology, prevention, and treatment of toxicities after transplantation and cellular therapy. In addition, abstracts related to trials and/or clinical research in progress will be accepted.

The top five awarded abstracts will receive **complimentary registration** to the symposium.

Submission Deadline: **April 7, 2023**

Notification of Acceptance: **April 14, 2023**

MSK Course Director



SERGIO A. GIRALT, MD

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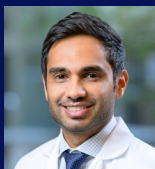
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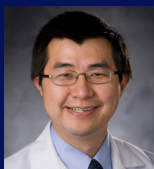
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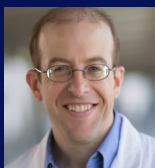
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Schedule

Friday, April 28, 2023

- 8:00 AM In-person Breakfast and Check-in
- 8:50 AM Virtual Check-in
- 9:00 AM **Symposium Introduction and Welcome Remarks**
Sergio A. Giralto, MD

KEYNOTE LECTURE

Transplant as a Model of Accelerated Aging

Basic Science of Aging, DNA Damage, Senescence, Translation

CHAIR: Shernan Holtan, MD

9:00 AM



Laura Niedernhofer, MD, PhD
Director, Institute on the Biology of Aging and Metabolism
The University of Minnesota
Minneapolis, MN

Cellular Therapies as a Model of Accelerated Aging

CHAIR: Shernan Holtan, MD • CO-CHAIR: Shahinaz Gadalla, MD, PhD

- 10:00 AM **Immune Aging and Senolytics**
Shernan Holtan, MD
- Cognitive Impacts of Accelerated Aging in BMT**
Noha Sharafeldin, MD, MSc, PhD
- CONCLUSION**
- Biomarkers of Aging in BMT and Next Steps in Our Field**
Shahinaz Gadalla, MD, PhD
- 11:00 AM **Panel Discussion; Q/A**
- 11:15 AM Break

CAR T Toxicities

CHAIR: Michael Scordo, MD • CO-CHAIR: Melody Smith, MD, MS

- 11:30 AM **Discussion Surrounding Management of Cytopenia's and Late Toxicities**
- Blocking IFN γ - Enhancement of CAR T cell Proliferation Without Increasing CRS**
Marcela Maus, MD 
- A New, but Familiar Foe: IEC-HS (HLH)**
Nirali N. Shah, MD, MHSc
- Parkinsonian Neurotoxicity After BCMA CAR T cells**
Samir Parekh, MD
- CAR-HEMATOTOX: Prolonged Cytopenias After CAR T cell Therapy**
Marion Subklewe, MD
- Post CAR T Cell Infections**
Jonathan Huggins, MD
- 1:15 PM **Panel Discussion; Q/A**

1:30 PM

Lunch Break

IN-PERSON ONLY

Special Luncheon Debate*

1:45 - 2:45 PM • ROOM 105

Improving Outcomes of Patients with Active Acute Leukemia Undergoing Hematopoietic Cell Transplantation — Do We Need to Reinduce Patients With Active AML?

DEFENDING YES:

Sergio A. Giralto, MD

DEFENDING NO:

Prof. Johannes Schetelig, MD, MSc

*Limited to 50 attendees only; RSVP at registration required.

Infections as Toxicities

CHAIR: John Reid Wingard, MD • CO-CHAIR: Genovefa Papanicolaou, MD

3:00 PM

CMV in the Lung: Pathogen, Paradigm, Puzzle

Genovefa Papanicolaou, MD

Respiratory Viral Infections: Acute and Persistent Lung Effects

John Reid Wingard, MD

Viral Specific T Cell Therapy for Polyomavirus: Overcoming BK and JC Virus After Cell Therapy

Amanda Olson, MD

HHV-6 Reactivation and Related Complications After HCT and CAR-T cell Therapies

Josh Hill, MD 

4:45 PM

Panel Discussion; Q/A

Decision Science and Toxicities


CHAIR: William A. Wood, MD, MPH • CO-CHAIR: Anthony D. Sung, MD 

5:00 PM

Adoption or De-adoption of Evidence Into Practice in Transplantation and Cellular Therapy

Nandita Khera, MD, MPH

Remote Performance Status Monitoring Using Wearables and PROs

Jacob Glass, MD, PhD 

Incorporating Patient Reported Outcomes Into Standard of Care Practice

Gunjan L. Shah, MD, MS

Integrating Patient Values and Preferences Into Treatment Decision Making

Daniel Richardson, MD

6:45 PM

Panel Discussion; Q/A

7:00 PM

Closing Remarks and Adjourn

IN-PERSON ONLY

Networking and Poster Reception





7:00 - 8:30 PM • LOBBY

In-person attendees are also invited to attend the networking reception, which will include an exciting poster session. This event will be held in the lobby of Zuckerman Research Center and RSVP at registration is required. Hors d'oeuvre and refreshments will be served.

Saturday, April 29, 2023

- 7:00 AM In-person Breakfast and Check-in
7:45 AM Virtual Check-in
7:55 AM **Day 2 Welcome**
Sergio A. Giralt, MD


Morning Seminar and Debate

- 8:00 AM **Updates on the Diagnosis and Treatment of TA-TMA:
Discussion with Experts**
Sumithira Vasu, MBBS, MD 
Anna Sureda, MD, PhD 
Rafael F. Duarte, MD, PhD, FRCP 
Vincent T. Ho, MD 
Sergio A. Giralt, MD

KEYNOTE LECTURE

Pulmonary Toxicities of Cellular Therapies


CHAIR: John Reid Wingard, MD

- 9:00 AM  Gregory A. Yanik, MD
Professor, Pediatric Hematology/Oncology, Pediatrics, and Internal Medicine
Medical Director, Bone Marrow, Medical School
University of Michigan Medicine

- 9:30 AM Break

Nutrition – Microbiome and Toxicities


CHAIR: Armin Rashidi, MD, PhD • CO-CHAIR: Robert R. Jenq, MD

- 9:45 AM **Nutrition and Microbiota in Allo-HCT**
Jonathan Peled, MD, PhD
FMT for Treatment of Acute GVHD
Mette Hazenberg, MD, PhD
FMT as Prophylactic Supportive Care
Armin Rashidi, MD, PhD
Plant Sequencing and Gut Microbiome in Allo-HCT
Lawrence A. David, MD, PhD
**Nutritional Interventional Trial to Improve the Microbiome
and Prevent Acute GVHD**
Mary Mansour Riwes, DO 
11:15 AM **Panel Discussion; Q/A**
11:30 AM Break

KEYNOTE LECTURE

Harmonization of Toxicity Definitions – Challenges – Process and Example

CHAIR: Michael Scordo, MD • CO-CHAIR: Sergio A. Giralt, MD

- 11:45 AM  Robert Soiffer, MD
Chief, Division of Hematologic Malignancies
Dana-Farber Cancer Institute
Boston, MA

- 12:45 PM Closing Remarks and Adjourn

Accreditation

Memorial Sloan Kettering Cancer Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

AMA Credit Designation Statement

Memorial Sloan Kettering Cancer Center designates this live activity for a maximum of **14.00 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Detailed instructions on how to complete an evaluation and claim credit will be provided after the Symposium. Attendees must check-in at the start of the Symposium to receive a post-Symposium email with instructions.



Register Online: mskcc.org/toxicities

Registration Fees	Early*	General
Physicians (MDs, PhDs, PharmDs, and DOs)	\$400	\$450
Advanced Practice Providers	\$300	\$350
Residents, Fellows, Nurses, Data Managers, and Other Healthcare Providers	\$225	\$275
Industry Professionals**	n/a	\$775

*Early discounted rates expire **March 17, 2023**.

****Industry professionals** may attend MSK CME activities for their own education. Marketing, sales, and promotion of products and services is strictly prohibited at MSK CME activities.

Course registration includes continental breakfast, lunch, refreshment breaks, and an invitation to the networking reception on Friday evening. Please contact cme@mskcc.org at least one week prior to the course if you have any special dietary requests or require any specific accommodations.

While MSK **requests that institutional guests are vaccinated against COVID-19**, we are no longer requiring proof of vaccination.

A registration discount is available for **MSK Alumni** and **MSK Cancer Alliance** to attend. If you are a member of one of these groups, contact cme@mskcc.org for details.

Registration is complimentary for all **MSK employees**; however, you must complete registration in order to attend.

For additional details, including the cancellation policy, visit: mskcc.org/toxicities



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