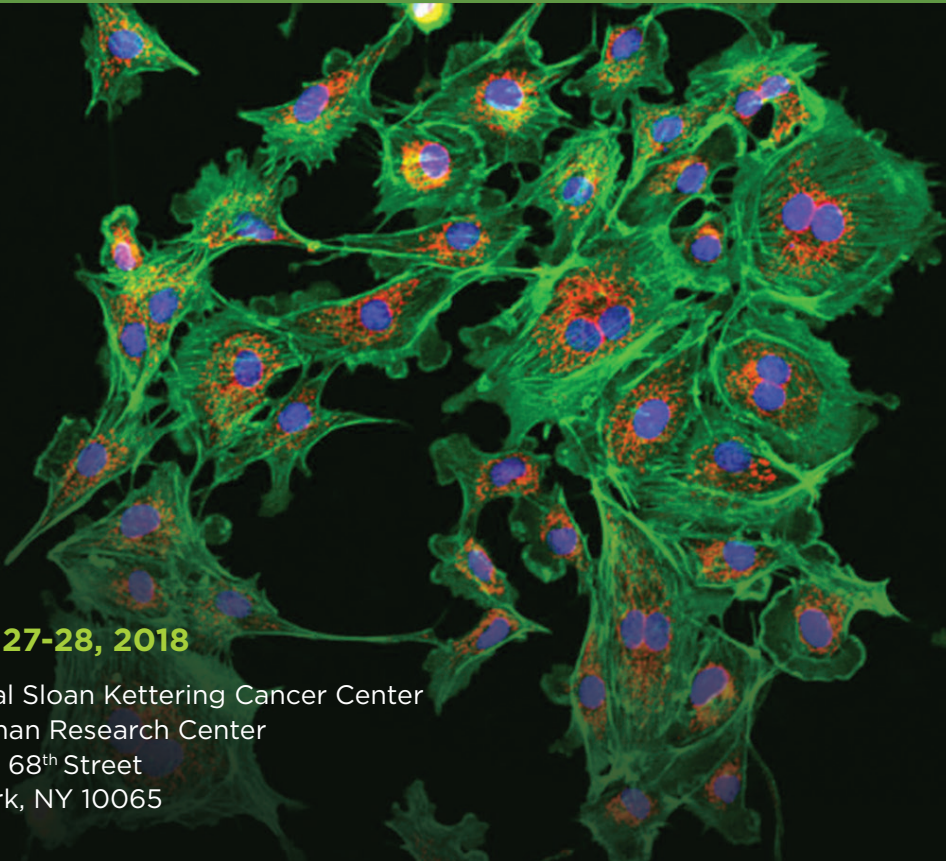




Memorial Sloan Kettering
Cancer Center

1st International Symposium on Hematopoietic Cell Transplantation-Related Toxicities



APRIL 27-28, 2018

Memorial Sloan Kettering Cancer Center
Zuckerman Research Center
417 East 68th Street
New York, NY 10065

IN COLLABORATION WITH



Endothelial cells image credit:
Kandasamy, Biomedical Microscopy Core, Paul D. Coverdell Center

1st International Symposium on Hematopoietic Cell Transplantation-Related Toxicities

More than 10,000 hematopoietic cell transplantations (HCT) are performed annually in the United States as a potentially curative treatment for over 70 life-threatening illnesses including hematologic cancers, genetic disorders, and other diseases. Despite significant advances in supportive care and improvements in HCT outcomes, 1 in every 3 patients may succumb to HCT-related toxicities, half of which are not related to graft-versus-host disease (GVHD). Following the successful examples of the international symposia focusing on GVHD and relapse after HCT, we are convening the '1st International Symposium on Hematopoietic Cell Transplantation-Related Toxicities.'

This symposium will bring together experts and thought leaders from around the world in the fields of HCT and related medical subspecialties. Speakers will discuss mechanisms of toxicities and symptom burden after HCT in order to identify best practices to both prevent and treat HCT-related toxicities. Over the 2-day symposium, speakers and attendees will also convene in dedicated sessions that will facilitate collaborative efforts in planning future research aimed at mitigating serious toxicities, reducing symptom burden, and improving patients' outcomes.

The target audience includes physicians, researchers, fellows, advanced practice providers, nurses, and pharmacists who provide care for patients undergoing HCT.

Educational Objectives

- Discuss the causes and mechanisms of toxicities and symptom burden after HCT in order to identify best practices and prevent and treat them.
- Understand the role of vascular endothelial cell damage as a key driver of many toxicities after HCT.

IN COLLABORATION WITH



MSK Course Directors



Sergio Giralt, MD

Melvin Berlin Family Chair in Myeloma Research
Professor of Medicine, Weill Cornell Medicine
Chief Attending, Adult BMT Service
Memorial Sloan Kettering Cancer Center



Miguel-Angel Perales, MD

Deputy Chief, Adult Bone Marrow Transplantation Service
Director, Adult Stem Cell Transplantation Fellowship
Professor of Medicine, Weill Cornell Medicine
Associate Member
Memorial Sloan Kettering Cancer Center

Organizing Committee

Michelle Donato, MD

John Theurer Cancer Center at
Hackensack University Medical Center

Alexander I. Geyer, MD

Memorial Sloan Kettering Cancer Center

Tobias M. Hohl, MD, PhD

Memorial Sloan Kettering Cancer Center

Edgar A. Jaimes, MD

Memorial Sloan Kettering Cancer Center

Markus Y. Mapara, MD, PhD

NewYork-Presbyterian and
Columbia University Medical Center

Scott D. Rowley, MD

John Theurer Cancer Center at
Hackensack University Medical Center

Michael Scordo, MD

Memorial Sloan Kettering Cancer Center

Koen van Besien, MD, PhD

NewYork-Presbyterian and Weill Cornell Medicine

William A. Wood, MD, MPH

UNC Lineberger Comprehensive Cancer Center

MSK Course Faculty

Dean Carlow, MD, PhD

Laboratory Medicine

Edgar A. Jaimes, MD

Department of Medicine

Richard N. Kolesnick, MD

Sloan Kettering Institute

Genovefa Papanicolaou, MD

Department of Medicine

Miguel-Angel Perales, MD

Department of Medicine

Bianca D. Santomaso, MD, PhD

Department of Neurology

Wendy L. Schaffer, MD, PhD

Department of Medicine

Michael Scordo, MD

Department of Medicine

Ying Taur, MD, MPH

Department of Medicine

Invited Faculty

Minoo Battiwalla, MD

Sarah Cannon Blood Cancer Network
Nashville, TN

Jaap Jan Boelens, MD, PhD

University Medical Center Utrecht
Utrecht, Netherlands

Enric Carreras, MD, PhD

Josep Carreras Leukaemia Research Institute
Barcelona, Spain

Guang-Shing Cheng, MD

Fred Hutchinson Cancer Research Center
Seattle, WA

Kenneth R. Cooke, MD

Johns Hopkins Sidney Kimmel Cancer Center
Baltimore, MD

Stella M Davies, MBBS, PhD

Cincinnati Children's Hospital Medical Center
Cincinnati, Ohio

Mary Horowitz, MD

Chief Scientific Director for the CIBMTR
Medical College of Wisconsin
Milwaukee, WI

Leslie S. Kean, MD, PhD

Seattle Children's Hospital
Seattle, WA

Thomas Luft, MD, PhD

Heidelberg University Hospital
Heidelberg, Germany

Markus Y. Mapara, MD, PhD

NewYork-Presbyterian and
Columbia University Medical Center
New York, NY

Shahin Rafii, MD, PhD

NewYork-Presbyterian and Weill Cornell Medicine
New York, NY

Gabriela Rondon, MD

MD Anderson Cancer Center
Houston, TX

Michael Satlin, MD, MS

NewYork-Presbyterian and Weill Cornell Medicine
New York, NY

Peter J. Shaw, MD

The Children's Hospital at Westmead
Westmead, Australia

Koen van Besien, MD, PhD

NewYork-Presbyterian and Weill Cornell Medicine
New York, NY

William A. Wood, MD, MPH

UNC Lineberger Comprehensive Cancer Center
Chapel Hill, NC

Scientific Agenda

Friday, April 27

7:00 AM Registration & Breakfast

7:45 AM **Introduction & Welcome**
Sergio Giralt, MD

Mechanisms of Toxicities: Endothelial Damage

MODERATORS: Sergio Giralt, MD & Michael Scordo, MD

8:00 AM **DEPARTMENT OF MEDICINE GRAND ROUNDS**

Endothelial Cell Damage as Common Pathway for Toxicity

Shahin Rafii, MD, PhD

9:00 AM **Idiopathic Pneumonia Syndrome**

Kenneth R. Cooke, MD

9:20 AM **Sinusoidal Obstruction Syndrome**

Enric Carreras, MD, PhD

9:40 AM **Thrombotic Microangiopathy**

Stella M Davies, MBBS PhD

10:00 AM **Proposed Biomarkers for Endothelial Cell Damage**

Thomas Luft, MD, PhD

10:30 AM **Q/A and Panelist Discussion**

10:45 AM Break

Mechanism of Toxicities: Direct Drug Toxicity

MODERATORS: Koen van Besien, MD, PhD & Scott D. Rowley, MD

11:00 AM **Pharmacology of High Dose Therapy**

Jaap Jan Boelens, MD, PhD

11:20 AM **Pharmacokinetics of Alkylators**

Peter J. Shaw, MD

11:40 AM **Pharmacokinetic Assays and Methodologies**

Dean Carlow, MD, PhD

12:00 PM **Mechanisms of Radiation Toxicity**

Richard N. Kolesnick, MD

12:20 PM **Q/A and Panelist Discussion**

Lunch Symposium | ROOM 105

MODERATORS: William A. Wood, MD, MPH & Michelle Donato, MD

1:00 PM **Long Term Survivorship Issues**

Minoo Battiwalla, MD

Organ Specific Toxicities

MODERATORS: Edgar A. Jaimes, MD & Markus Y. Mapara, MD, PhD

1:45 PM **Renal Toxicities**

Edgar A. Jaimes, MD

2:05 PM **Mucosal Toxicities**

Michael Scordo, MD

2:25 PM **Cardiovascular Toxicities**

Wendy L. Schaffer, MD, PhD

2:45 PM **Pulmonary Toxicities**

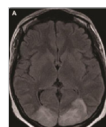
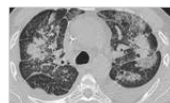
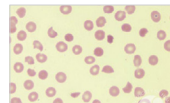
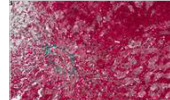
Guang-Shing Cheng, MD

3:05 PM **Neurologic Toxicities**

Bianca D. Santomaso, MD, PhD

3:30 PM **Q/A and Panelist Discussion**

3:40 PM Break



Infections and Immune-reconstitution

MODERATORS: Miguel-Angel Perales, MD & Tobias M. Hohl, MD, PhD

3:55 PM **Modeling Immune Reconstitution and GVHD After Transplant Using The Tools of Systems Biology**

Leslie S. Kean, MD, PhD

4:15 PM **Immune Reconstitution after Stem Cell Transplantation: Is it all about CMV?**

Miguel-Angel Perales, MD

4:35 PM **Novel Strategies to Reduce CMV Disease in Transplant Patients**

Genovefa Papanicolaou, MD

4:55 PM **Combating Multidrug-resistant Bacterial Infections During Allogeneic-HCT**

Michael Satlin, MD, MS

5:15 PM **Harnessing the Microbiome to Improve Transplant Outcomes**

Ying Taur, MD, MPH

5:45 PM **Q/A and Panelist Discussion**

6:00 PM **Cocktail & Networking Reception**

Attendees are invited to join the course faculty for a networking and cocktail reception at Zuckerman Research Center, immediately following the course from 6:00 pm-8:00 pm

Saturday, April 28

7:30 AM Breakfast

Breakout Sessions

8:00 AM **SESSION A | AUDITORIUM**
Collecting and Grading Toxicities/ Integrating Patient Reported Outcomes

William A. Wood, MD, MPH

Michael Scordo, MD

Gabriela Rondon, MD

SESSION B | ROOM 105

Biomarkers of HCT-Related Toxicities

Markus Y. Mapara, MD, PhD

Koen van Besien, MD, PhD

10:00 AM **Report on Breakout Session**

All Faculty

10:30 AM **Next Steps**

Edgar A. Jaimes, MD

11:00 AM **KEYNOTE CLOSING SESSION**

How to Utilize the CIBMTR and BMT CTN to Reduce Toxicities

Mary Horowitz, MD

Chief Scientific Director for the CIBMTR

12:00 PM Symposium Adjourn

Registration

Registration Fees

Physicians (MDs, PhDs, PharmDs & DOs)	\$400
Residents & Fellows	\$200
NPs, PAs, RNs, & Other Healthcare Providers	\$250
Industry Professionals*	\$775

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

Register Online: mskcc.org/Toxicities

Registration includes continental breakfast, lunch, and refreshment breaks. Please contact cme@mskcc.org at least one week prior to the course if you have any special dietary needs.

- **30% Discounted Rate for MSK Alumni and MSK Alliance Members:** MSK offers a 30% discounted rate to all MSK Alumni and MSK Alliance members to attend a CME course. Please contact cme@mskcc.org for a promotion code or more information.
- **MSK Staff Registration:** Registration is complimentary for MSK staff. However, you must register online: mskcc.org/Toxicities

ACCREDITATION

Accreditation Statement

MSK is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.



AMA Credit Designation Statement

MSK designates this live activity for a maximum of **14.00 AMA PRA Category 1 Credit(s)**[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Faculty Disclosure

It is the policy of MSK to make every effort to insure balance, independence, objectivity, and scientific rigor in all continuing medical education activities which it provides as an ACCME accredited provider. In accordance with ACCME guidelines and standards, all faculty participating in an activity provided by MSK are expected to disclose any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services which are discussed by the faculty members in an educational presentation. As required by the ACCME, when an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity, MSK requires the speaker to disclose that the product is not labeled for the use under discussion or that the product is still investigational.



Memorial Sloan Kettering
Cancer Center



Travel & Accommodations

COURSE LOCATION

Memorial Sloan Kettering Cancer Center
Mortimer B. Zuckerman Research Center
417 East 68th Street
New York, NY 10065

HOTELS

MSK has negotiated special rates and amenities at select hotels in Manhattan. For information on hotels in the area of MSK with discounted rates, please visit: www.mskcc.org/cme.

CONTACT

Memorial Sloan Kettering Cancer Center
Office of Continuing Medical Education

W: mskcc.org/cme

E: cme@mskcc.org

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