15th Annual

# BMT & Cell Therapy Winter Workshop

**Thank you for joining us for the 15th annual BMT & Cell Therapy Winter Workshop**, hosted by Emory University, City of Hope, and Tulane University. Co-chaired by Dr. Edmund K. Waller and Dr. Marcel van den Brink and co-hosted by Dr. Benjamin Watkins.

This hybrid workshop will be moderated by:



**Marcel van den Brink, M.D., Ph.D.**
**City of Hope National Medical Center**



**Benjamin K. Watkins, M.D.**
**Tulane University, Manning Family Children's**



**Esther A. Obeng. M.D., PhD**
**Children's Healthcare of Atlanta**



**Edmund K. Waller, M.D., Ph.D., FACP**
**Winship Cancer Institute, Emory University**

## IMPORTANT DATES

- **Dec 11:** Hybrid Workshop, 2:30 – 6:30 PM CST – see agenda below.

  *To access the workshop virtually, use the zoom webinar link emailed to the address you used to register. Event details are available on the* ***webpage.***

- **Dec 16:** Most recorded talks will be available to registered guests for 72-hours.

## AGENDA

**1:30 - 2:30 PM – Meet & Greet**
**2:30 - 2:35 PM – Opening Remarks**
**2:35 - 6:30 PM – Workshop**
**Section 1:** Beating Back Leukemia
**Section 2:** Accelerating CART
**Break:** 20 minutes
**Section 3:** Nurturing T-Cells in Transplant
**Section 4:** Finding Targets for CART
**6:30 - 6:35 PM – Closing Remarks**
**6:35 - 8:00 PM – Reception**

## Disclaimer:

Materials presented at the annual BMT Cell Therapy Winter Workshop, including all slides, audio, video, and other materials displayed or otherwise published during the meeting are protected by copyright, and may not be publicly displayed or republished without the express written consent of the organizers (or in the case of the recorded talks the individual presenter).

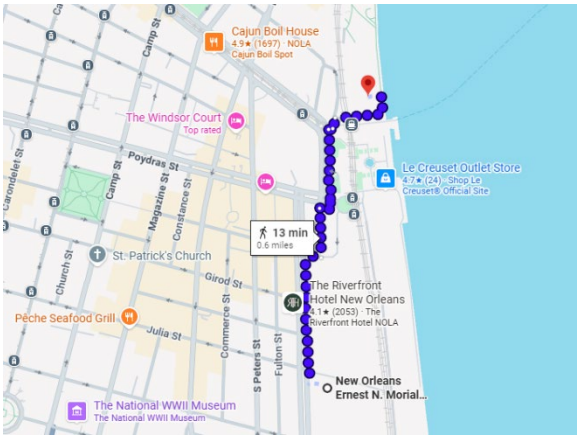
**Sharing any recordings of meeting materials, including live streaming audio or video recordings, is strictly prohibited.**

This workshop is provided with no industry or commercial interests driving the content.

# HYBRID INSTRUCTIONS

### If you are joining in-person:

**Address**:
**Audubon Aquarium**
**1 Canal St, New Orleans, LA 70130**
**(0.6 miles away from Ernest N. Morial Convention Center)**




- **Preferred Transit:** Uber/Lyft.
- The workshop will be held in River Terrace on the ground floor of the aquarium.
- There will be a storage room available for luggage.
- Wayfinding will be posted in the lobby to lead you to the River Terrace.
- Beverage stations will be available throughout the event; light appetizers and a bar will be available at the post-workshop reception in the aquarium area.
- **Mobile Devices**: As a reminder, please turn your mobile device to silent mode when in the meeting space

### If you are joining virtually:

- **Please enter the workshop using the zoom webinar link.**
  - The link will be emailed to all registered attendees prior to the event.
  - You will be required to enter your credentials. Use the **same** email, first name, and last name that you used to register for the workshop.
  - If you are having issues entering the workshop, email Karen Gutierrez at kagutierez@coh.org.

- **During the workshop, use the Q&A button to submit questions to speakers.**
  - Type your question into the Q&A box during the talk. Click Send.
  - Include the name of the speaker before your question.
  - The moderator will read your question to the speaker following the talk.
  - You can 'upvote' questions already posted in the Q&A box.

# PRESENTATIONS

## SECTION 1: Beating Back Leukemia

Chair: Dr. Marcel van den Brink 2:35 – 3:30 PM

**1.1 "Beyond Radiation: Ruxolitinib as a TBI-Sparing Strategy in Alternative Donor Transplantation for Severe Aplastic Anemia"**

Maria Pereda Ginocchio, MD | *Tulane University/Manning Family Children's Hospital, USA*

- mperedaginocchio@tulane.edu

**1.2 "Beyond Clinical Severity: Proteomic Endotypes of Pediatric Transplant-Associated Thrombotic Microangiopathy"**

Michelle Schoettler, MD, MS | *Children's Healthcare of Atlanta, USA*

- Michelle.Schoettler@emory.edu

**1.3 "α and β Emitting Radiopharmaceutical Therapy (RPT) and Total Marrow and Lymphoid Irradiation (TMLI) Conditioning in Relapsed / Refractory (R/R) AML / ALL Undergoing Allogeneic Transplant (alloHCT)"**

Jeffrey Wong, MD, FASTRO | *City of Hope National Medical Center, USA*

- JWong@coh.org

**1.4 "Randomized Open Label Pilot Study of Human Lysozyme Goat Milk (hLZ) in Recipients of Allogeneic Hematopoietic Cell Transplantation (HCT)"**

Karamjeet S. Sandhu, MD | *City of Hope National Medical Center, USA*

- ksandhu@coh.org

**1.5 "Early persistence and immune adaptation shapes MDS relapse after SCT"**

Pavan Bachireddy, MD | *MD Anderson Cancer Center, USA*

- pbachireddy@mdanderson.org

## SECTION 2: Accelerating CART

Chair: Dr. Esther Obeng 3:30 – 4:15 PM

**2.1 "Interrogating the CAR T cell epigenome in vivo at single-nuclei resolution"**

Terry Fry, MD | *University of Colorado Anschutz Medical Center and Children's Hospital Colorado, USA*

- Terry.fry@cuanschutz.edu

**2.2 "Pathways involved in CRS"**

John F. DiPersio, MD, PhD | *Washington University, USA*

- jdipersi@wustl.edu

**2.3 "A TGF-β–Sensing, Dual-Cytokine CAR-T Circuit Overcomes Microenvironmental Suppression in AML"**

Fuguo Liu, PhD | *Dana-Farber Cancer Institute- Harvard, USA*

- fuguo_liu@dfci.harvard.edu

**2.4 "Combination therapies for solid tumors with two modalities of targeted low dose radiation therapy and two modalities of targeted cell therapy"**

John E Shively, PhD | *City of Hope National Medical Center, USA*

- JShively@coh.org

**There will be a 20-minute break after session 2.**

## SECTION 3: Nurturing T-Cells in Transplant

Chair: Dr. Ben Watkins 4:35 – 5:20 PM

**3.1 "Pre transplantation thymic function as a predictor of outcomes in allogeneic bone marrow transplantation"**

Andri Lemarquis, MD, PhD | *Karolinska Institute, Sweden*

- andri.lemarquis@ki.se

**3.2 "In Vivo CRISPR Screening in Nonhuman Primates Identifies Targets to Enhance CAR T-Cell Trafficking to the CNS and Solid Tumors"**

Francesca Alvarez Calderon, MD, PhD | *Dana-Farber Cancer Institute / Boston Children's Hospital, USA*

- Francesca_AlvarezCalderon@DFCI.HARVARD.EDU

**3.3 "The seed or the soil? Teasing apart the role of the zinc-sensing receptor GPR39 in hematopoiesis and immune reconstitution"**

Lorenzo Iovino, MD, PhD" | *Fred Hutchinson Cancer Center & UW Medicine, USA*

- liovino@fredhutch.org

**3.4 "CHIP-Associated DNMT3A Mutations Protect Against Leukemia Relapse While Increasing GVHD Through Enhanced T-Cell Activation"**

Esther Obeng, MD, PhD | *Emory University School of Medicine, Aflac Cancer and Blood Disorders Center, Children's Healthcare of Atlanta, USA*

- eaobeng@emory.edu

## SECTION 4: Finding Targets for CART

Chair: Dr. Edmund Waller 5:20 – 6:30 PM

**4.1 "In vivo site-specific engineering to reprogram T cells"**

Justin Eyquem, PhD | *University of California, San Francisco, USA*

- Justin.Eyquem@ucsf.edu

**4.2 "More Than Just a Killer: Engineering Dual-Functional Human CD8 iTregs for Cell Therapy"**

Jemma H. Larson, PhD | *University of Minnesota, USA*

- jnicholl@umn.edu

**4.3 "iPSC-derived next-generation T-cell therapy for EBV-associated lymphomas and chronic active EBV disease"**

Miki Ando, MD, PhD | *Juntendo University School of Medicine, Japan*

- m-ando@juntendo.ac.jp

**4.4 "Beyond Remission: Exploring the Long-Term Fate of CAR T Cells"**

Neel R. Nabar, MD, PhD | *University of Pennsylvania, USA*

- Neel.Nabar@Pennmedicine.upenn.edu

**4.5 "Context-dependent Functional Regulation of CAR-T Cells by the CD27-CD70 Costimulatory Axis"**

Dongrui Wang, PhD | *Zhejiang University, China*

- dongrui-wang@zju.edu.cn

**A post meeting reception will be held directly following the workshop for in-person attendees.**

## Please plan to join us next year…

**16th Annual**

# BMT & Cell Therapy Winter Workshop



⇒ December 2027
⇒ Location TBA

## Workshop Contacts:


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**Thank you for joining us for the 15th BMT Cell Therapy Winter Workshop.**
**We wish you and your families a safe and happy holiday season and a blessed New Year.**

EMORY WINSHIP CANCER INSTITUTE
National Cancer Institute-Designated Comprehensive Cancer Center

City of Hope

TULANE UNIVERSITY
School of Medicine