

Conference Cochairs:

Ravi Majeti, Stanford University, Stanford, CA Maria (Ken) Figueroa, University of Miami, Miami, FL Ruben A. Mesa, Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC

[R] - remote presentation

* - short-talk from proffered abstract

MONDAY, JANUARY 23

Registration

3:00 pm-8:00 pm | Zilker Ballroom Foyer

Welcome and Keynote Lectures

5:00 pm-6:30 pm | Zilker Ballroom 1

5:00-5:05	Welcome and Introduction of Keynote Speaker Ravi Majeti, Stanford University, Stanford, CA
5:05-5:35	Understanding and targeting altered RNA splicing in myeloid malignancies Omar Abdel-Wahab, Memorial Sloan Kettering Cancer Center, New York, NY
5:35-5:45	Discussion / Q&A
5:45-5:50	Introduction of Keynote Speaker
	Maria (Ken) Figueroa, University of Miami, Miami, FL
5:50-6:20	Germline predisposition to myeloid malignancies
	Lucy A. Godley, University of Chicago, Chicago, IL
6:20-6:30	Discussion / Q&A

Opening Reception

6:45 pm-8:30 pm | Zilker Ballroom Foyer and Terrace

TUESDAY, JANUARY 24

Continental Breakfast

7:00 am-8:00 am | Zilker Ballroom 2



Plenary Session 1: Apoptosis

8:00 am-9:35 am | Zilker Ballroom 1

Session Chair: Courtney D. DiNardo, The University of Texas MD Anderson Cancer Center, Houston, TX

8:00-8:05	Introduction Courtney D. DiNardo, The University of Texas MD Anderson Cancer Center, Houston, TX
8:05-8:25	Inducing apoptosis in leukemia stem cells by targeting metabolism Courtney L. Jones, Princess Margaret Cancer Centre, University Health Network, Toronto, ON, Canada
8:25-8:30	Discussion / Q&A
8:30-8:50	Understanding and preventing resistance to BCL2 inhibitor therapy in AML Courtney D. DiNardo, The University of Texas MD Anderson Cancer Center, Houston, TX
8:50-8:55	Discussion / Q&A
8:55-9:15	Understanding differential addiction to anti-apoptotic BCL-2 family towards developing novel treatments in hematological malignancies Zaneta Nikolovska-Coleska, University of Michigan, Ann Arbor, MI
9:15-9:20	Discussion / Q&A
9:20-9:35	Panel Discussion

Break

9:35 am-9:55 am | Zilker Ballroom Foyer

Plenary Session 2: Stem Cells

9:55 am-11:45 am | Zilker Ballroom 1

Session Chair: Ravi Majeti, Stanford University, Stanford, CA

9:55-10:00	Introduction Ravi Majeti, Stanford University, Stanford, CA
10:00-10:20	Approaches to targeting leukemia stem cells
	Monica L. Guzman, Weill Cornell Medicine, New York, NY
10:20-10:25	Discussion / Q&A
10:25-10:45	Mapping the cellular origins of pediatric leukemia Eric R. Lechman, University of Pittsburgh, Pittburgh, PA
10:45-10:50	Discussion / Q&A



10:50-11:10	Stem cells in human AML Ravi Majeti, Stanford University, Stanford, CA
11:10-11:15	Discussion / Q&A
11:15-11:25	Novel anti-leukemia activity of the IRE1-XBP1 signaling pathway in hematopoietic stem and progenitor cells * Stanley Adoro, National Cancer Institute, Bethesda, MD
11:25-11:30	Discussion / Q&A
11:30-11:45	Panel Discussion

Break

11:45 am-12:00 pm | Zilker Ballroom Foyer

Plenary Session 3: Epigenetics

12:00 pm-1:30 pm | Zilker Ballroom 1

Session Chair: Maria (Ken) Figueroa, University of Miami, Miami, FL

12:00-12:05	Introduction Maria (Ken) Figueroa, University of Miami, Miami, FL
12:05-12:20	Epigenomic landscapes of MDS Maria (Ken) Figueroa, University of Miami, Miami, FL
12:20-12:25	Discussion / Q&A
12:25-12:45	Enhancing TET function for the treatment of myeloid malignancies Luisa Cimmino, University of Miami Miller School of Medicine, Miami, FL
12:45-12:50	Discussion / Q&A
12:50-1:10	Targeting IDH-mutant myeloid malignancies by disabling metabolic dependencies Jian Xu, UT Southwestern Medical Center, Dallas, TX
1:10-1:15	Discussion / Q&A
1:15-1:30	Panel Discussion

Lunch on own / Free time

1:30 pm-3:15 pm



Plenary Session 4: Niche/Microenvironment

3:15 pm-5:15 pm | Zilker Ballroom 1

Session Chair: Iannis Aifantis, NYU Langone Medical Center, New York, NY

3:15-3:20	Introduction Iannis Aifantis, NYU Langone Medical Center, New York, NY
3:20-3:40	[R] - Dissecting the cross-talk between normal, leukemic stem cells, and the bone marrow microenvironment Dominique Bonnet, The Francis Crick Institute, London, England
3:40-3:45	Discussion / Q&A
3:45-4:05	[R] - MSCs boost AML bioenergetics and facilitate escape from chemotherapy Simón Méndez-Ferrer, University of Cambridge, Cambridge, England
4:05-4:10	Discussion / Q&A
4:10-4:30	Anatomy of normal and leukemic hematopoiesis in the bone marrow Daniel Lucas, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
4:30-4:35	Discussion / Q&A
4:35-4:55	Interactions with the immune microenvironment in MDS and AML lannis Aifantis, NYU Langone Medical Center, New York, NY
4:55-5:00	Discussion / Q&A
5:00-5:15	Panel Discussion

Break

5:15 pm-5:30 pm | Zilker Ballroom Foyer

Plenary Session 5: Splicing Mutations

5:30 pm-7:05 pm | Zilker Ballroom 1

Session Chair: Esther A. Obeng, St. Jude Children's Research Hospital, Memphis, TN

5:30-5:35	Introduction
	Esther A. Obeng, St. Jude Children's Research Hospital, Memphis, TN
5:35-5:55	Targeting the Rbm39 splicing factor in myeloid leukemias and bone marrow
3.33 3.33	transplantation
	Sydney X. Lu, Stanford University School of Medicine, Palo Alto, CA
5:55-6:00	Discussion / Q&A



6:00-6:20	Targeting SF3B1 in myelodysplastic syndromes Esther A. Obeng, St. Jude Children's Research Hospital, Memphis, TN
6:20-6:25	Discussion / Q&A
6:25-6:45	Genetic determinants of clonal expansion rate in pre-malignant HSCs Siddhartha Jaiswal, Stanford University, Stanford, CA
6:45-6:50	Discussion / Q&A
6:50-7:05	Panel Discussion

Poster Session / Reception

7:15 pm-9:30 pm | Zilker Ballroom 3

WEDNESDAY, JANUARY 25

Continental Breakfast

7:00 am-8:00 am | Zilker Ballroom 2

Plenary Session 6: Measurable Residual Disease

8:00 am-9:35 am | Zilker Ballroom 1

Session Chair: Christopher S. Hourigan, National Heart, Lung and Blood Institute, Bethesda, MD

8:00-8:05	Introduction Christopher S. Hourigan, National Heart, Lung and Blood Institute, Bethesda, MD
8:05-8:25	Measurable residual disease in AML: A roadmap for evidence and implementation Christopher S. Hourigan, National Heart, Lung and Blood Institute, Bethesda, MD
8:25-8:30	Discussion / Q&A
8:30-8:50	Measurable residual disease assessment for lower intensity therapy in AML Farhad Ravandi-Kashani, The University of Texas MD Anderson Cancer Center, Houston, TX
8:50-8:55	Discussion / Q&A
8:55-9:15	Targeting senescence-like resilient AML cells to reduce measurable/minimal residual disease
	Cihangir Duy, Fox Chase Cancer Center, Philadelphia, PA
9:15-9:20	Discussion / Q&A
9:20-9:35	Panel Discussion



Break

9:35 am-9:55 am | Zilker Ballroom Foyer

Plenary Session 7: Inflammation

9:55 am-11:45 am | Zilker Ballroom 1

Session Chair: Ruben A. Mesa, Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC

9:55-10:00	Introduction Ruben A. Mesa, Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC
10:00-10:20	Inflammation and the MPNs: From phenotype to therapy Ruben A. Mesa, Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC
10:20-10:25	Discussion / Q&A
10:25-10:45	Age- and gut injury-induced accumulation of a bacterial metabolite promotes expansion of leukemic cells
	Daniel T. Starczynowski, Cincinnati Children's Hospital Medical Center, Cincinnati, OH
10:45-10:50	Discussion / Q&A
10:50-11:10	Fish and CHIPs: Dissecting the mechanisms of clonal disorders using cellular barcoding
11:10-11:15	Serine Avagyan, University of California, San Francisco, CA Discussion / Q&A
11:15-11:25	RSK1 targeting impedes oncogenic driver and inflammatory cytokine signaling to attenuate myeloid neoplasms *
11:25-11:30	Tim Kong, Washington University in St. Louis School of Medicine, St. Louis, MO Discussion / Q&A
11:30-11:45	Panel Discussion

Break

11:45 am-12:00 pm | Zilker Ballroom Foyer



Plenary Session 8: Cell and Immune Targeting in Myeloid Malignancies

12:00 pm-1:25 pm | Zilker Ballroom 1

Session Chair: Paresh Vyas, University of Oxford, Oxford, United Kingdom

12:00-12:05	Introduction
	Paresh Vyas, University of Oxford, Oxford, United Kingdom
12:05-12:25	Graft versus Leukemia (GvL): Identification and characterization of alloreactive antigens and cognate T cell responses in acute myeloid leukemia Paresh Vyas, University of Oxford, Oxford, United Kingdom
12:25-12:30	Discussion / Q&A
12:30-12:50	Bispecific split CD13/TIM3 CAR T cells eliminate AML <i>in vivo</i> without toxicity in preclinical models
	Xianxin Hua, Abramson Family Cancer Research Institute University of Pennsylvania, Philadelphia, PA
12:50-12:55	Discussion / Q&A
12:55-1:05	ADCLEC.syn1 CAR T cells detect combinatorial target signatures to safely prevent antigen-low AML escape *
	Sascha Haubner, Memorial Sloan Kettering Cancer Center, New York, NY
1:05-1:10	Discussion / Q&A
1:10-1:25	Panel Discussion

Closing Remarks and Departure

1:25 pm-1:30 pm | Zilker Ballroom 1

Ruben A. Mesa, Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC