Monday, November 30

7:00 p.m.-8:00 p.m.  Welcome and Keynote Address
Zilker Ballroom 1-2

Welcome Remarks
Bruce R. Zetter, Boston Children’s Hospital, Boston, MA
Melody A. Swartz, University of Chicago, Chicago, IL
Jeffrey W. Pollard, MRC Centre for Reproductive Health, University of Edinburgh, Edinburgh, United Kingdom, and Albert Einstein College of Medicine, New York, NY

Keynote Address

Tumor exosomes initiate premetastatic niches
David C. Lyden, Weill Cornell Medical College, New York, NY

8:00 p.m.-9:30 p.m.  Opening Reception
Texas Ballroom

Tuesday, December 1

7:00 a.m.-8:00 a.m.  Continental Breakfast and Meet-the-Expert Roundtables
Zilker Ballroom 3-4

A list of roundtable leaders and topics is available at the registration desk.

8:00 a.m.-10:00 a.m.  Plenary Session 1: Adaptive Immunity to Metastatic Tumors
Zilker Ballroom 1-2
Session Chairperson: Melody A. Swartz, University of Chicago, Chicago, IL

Immunotherapies based on restoring T cell function in tumor metastases
Thomas F. Gajewski, University of Chicago, Chicago, IL

Targeting the EMT-immunosuppression loop in lung cancer as a strategy to prevent metastasis*
Limo Chen, The University of Texas MD Anderson Cancer Center Houston, TX

Innate lymphoid cells regulate the functional properties of tumor infiltrating T cells
Pamela S. Ohashi, Princess Margaret Cancer Centre, Toronto, ON, Canada

Metastasis suppressors regulate the tumor microenvironment by blocking recruitment of prometastatic tumor-associated macrophages*
Daniel C. Rabe, University of Chicago, Chicago, IL

Cancer-associated systemic inflammation facilitates breast cancer metastasis
Karin E. de Visser, Netherlands Cancer Institute, Amsterdam, The Netherlands

*Short talks from proffered abstracts
10:00 a.m.-10:30 a.m.  Break
Zilker Ballroom Foyer

10:30 a.m.-12:30 p.m.  Plenary Session 2: Systemic Influences in Tumor Metastasis (Part I)
Zilker Ballroom 1-2
Session Chairperson: Jeffrey W. Pollard, MRC Centre for Reproductive Health, University of Edinburgh, Edinburgh, United Kingdom, and Albert Einstein College of Medicine, New York, NY

Where the wild things are: Perivascular regulation of disseminated tumor cell dormancy and chemoresistance
Cyrus M. Ghajar, Fred Hutchinson Cancer Center, Seattle, WA

Hypoxia preconditioning affects metastatic seeding and proliferation through vascular and immune function, in a process regulated by lung endothelial HIFα*
Cristina Branco, University of Cambridge, Cambridge, United Kingdom

Tumor-stroma crosstalk via Hedgehog and Wnt pathways bypasses resident immune cells to enable liver metastasis
Joerg Huelsken, Ecole Polytechnique Federale de Lausanne, Lausanne, Switzerland

Intravital microscopy of prostate cancer lesions in bone: Kinetics of osteolysis and therapy response*
Eleonora Dondossola, The University of Texas MD Anderson Cancer Center, Houston, TX

Systemic regulation of breast cancer progression
Sandra S. McAllister, Harvard Medical School, Boston, MA

12:30 p.m.-3:00 p.m.  Poster Session A with Lunch
(Presenters may set up posters beginning at 10:00 a.m. Posters should be removed immediately following the session.)
Texas Ballroom

*Short talks from proffered abstracts
3:00 p.m.-5:00 p.m.  
**Plenary Session 3: Tumor Dormancy and Resistance**  
Zilker Ballroom 1-2  
*Session Chairperson: Bruce R. Zetter, Boston Children’s Hospital, Boston, MA*

- **Prostate cancer tumor dormancy and the development of metastases**  
Colm M. Morrissey, University of Washington, Seattle, WA

- **Microenvironment driven response disparities of metastatic TNBC to multi-tyrosine kinase inhibitors**  
Sarah Kurley, Baylor College of Medicine, Houston, TX

- **Overcoming resistance to anticancer drugs (not eligible for CME credit)**  
Jeffrey E. Settleman, Calico Life Sciences, South San Francisco, CA

- **Metastatic latency and immune evasion mediated by autocrine WNT inhibition**  
Srinivas Malladi, Memorial Sloan Kettering Cancer Center, New York, NY

- **Macrophages and ErbB2 signaling orchestrate an EMT like program for early dissemination and metastasis in breast cancer**  
Julio A. Aguirre-Ghiso, Mt. Sinai Icahn School of Medicine, New York, NY

5:00 p.m.-              
**Evening on Own**

**Wednesday, December 2**

7:00 a.m.-8:00 a.m.  
**Continental Breakfast and Meet-the-Expert Roundtables**  
Zilker Ballroom 3-4

A list of roundtable leaders and topics is available at the registration desk.

8:00 a.m.-10:00 a.m.  
**Plenary Session 4: Circulating Evidence of Tumor Metastasis**  
Zilker Ballroom 1-2  
*Session Chairperson: Caroline Dive, CRUK Manchester Institute, Manchester, United Kingdom*

- **Circulating tumor cell explant models of lung cancer to study metastasis**  
Caroline Dive

- **Dissection of cancer cells extravasation through human vascularized 3D microfluidic model: The major role of talin-1**  
Mara Gilardi, University Bicocca-Milano, Milano, Italy

- **Microfluidic isolation of circulating tumor cells and microvesicles from cancer patients**  
Shannon L. Stott, Harvard Medical School, Charlestown, MA

- **Biomechanical preconditioning of circulating tumor cell adhesion during metastasis**  
Adrianne Spencer, University of Texas at Austin, Austin, TX

- **Circulating cancer DNA in patients with early breast cancer: Clinical applications**  
Charles R. Coombes, Imperial College London, London, United Kingdom

*Short talks from proffered abstracts*
10:00 a.m.-10:30 a.m.  Break
Zilker Ballroom Foyer

10:30 a.m.-12:30 p.m.  Plenary Session 5: Lymphatic Influence on Inflammation and Metastasis
Zilker Ballroom 1-2
Session Chairperson: Mihaela Skobe, Mount Sinai Icahn School of Medicine, New York, NY

Lymphatic metastasis and the lymph node microenvironment
Timothy P. Padera, Massachusetts General Hospital/Harvard Medical School, Boston, MA

Tumor-associated lymphatics and draining lymph in melanoma metastasis*
Maria A.S. Broggi, Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland

Lymphangiogenesis and metastasis of postpartum breast cancer
Pepper Jo Schedin, Oregon Health & Science University, Portland, OR

Silencing of semaphorin 7a attenuates breast tumor progression*
Traci Lyons, University of Colorado Anschutz Medical Campus, Aurora, CO

Mechanisms and significance of lymphatic metastasis
Mihaela Skobe

12:30 p.m.-3:00 p.m.  Poster Session B with Lunch
(Presenters may set up posters beginning at 10:00 a.m. Posters should be removed immediately following the session.)
Texas Ballroom

3:00 p.m.-4:15 p.m.  Panel Discussion: Bioengineering and Systems-level Approaches to Study Metastasis
Zilker Ballroom 1-2
Moderator: Melody A. Swartz, University of Chicago, Chicago, IL

Collective epithelial routes to metastatic spread
Andrew J. Ewald, Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD

Elucidating candidate biomarkers of breast cancer progression and dormancy using a 3D model of metastasis*
Amanda M. Clark, University of Pittsburgh, Pittsburgh, PA

Tissue tension reprograms the tissue to metastasis
Valerie M. Weaver, UCSF Medical Center, San Francisco, CA

*Short talks from proffered abstracts
4:15 p.m.-6:15 p.m.  Plenary Session 6: Genetics and Evolution of Metastatic Tumors
Zilker Ballroom 1-2
Session Chairperson: Arijit Chakravarty, Takeda Pharmaceuticals, Cambridge, MA

An evolving view of cancer: Modeling tumor heterogeneity and its implications for anticancer drug development
Arijit Chakravarty

An Arntl2-driven secretome enables lung adenocarcinoma metastatic self-sufficiency*
Jennifer J. Brady, Stanford University, Stanford, CA

Quantifying patterns of tumor evolution
Florian Markowetz, University of Cambridge, Cancer Research UK Cambridge Institute, Cambridge, United Kingdom

The expression landscape of pancreatic cancer recurrence following resection*
Crissy Dudgeon, Rutgers Cancer Institute of New Jersey, New Brunswick, NJ

An integrated genome-wide systems genetics screen for breast cancer metastasis susceptibility genes
Kent W. Hunter, National Cancer Institute, Bethesda, MD

6:15 p.m.- Evenining on Own

*Short talks from proffered abstracts
Thursday, December 3

7:00 a.m.-8:00 a.m.   Continental Breakfast and Meet-the-Expert Roundtables
Zilker Ballroom 3-4

A list of roundtable leaders and topics is available at the registration desk.

8:00 a.m.-10:00 a.m.  Plenary Session 7: Metastatic Cell Plasticity
Zilker Ballroom 1-2
Session Chairperson: Anil K. Sood, The University of Texas MD Anderson Cancer Center, Houston, TX

CYP3A5 mediates resistance to small molecule inhibitors in a subtype of pancreatic ductal adenocarcinoma
Andreas Trumpp, German Cancer Research Center and HI-STEM, Heidelberg, Germany

Extracellular matrix control of metastasis and dormancy*
Lauren E. Barney, University of Massachusetts, Amherst, MA

Hematogenous metastasis of ovarian cancer: Rethinking mode of spread
Anil K. Sood

Haptotaxis and direct remodeling of the extracellular matrix by tumor cells is important for metastasis*
Madeleine J. Oudin, Massachusetts Institute of Technology, Cambridge, MA

The role of CCL18 signaling in breast tumor-associated macrophages promoting cancer progression
Erwei Song, Sun Yat Sen Memorial Hospital, Guangzhou, China

10:00 a.m.-10:15 a.m.   Break
Zilker Ballroom Foyer

*Short talks from proffered abstracts
10:15 a.m.-12:15 p.m.  Plenary Session 8: Systemic Influences in Tumor Metastasis (Part II)
Zilker Ballroom 1-2
Session Chairperson: Ruth J. Muschel, Oxford University, Oxford, United Kingdom

Signaling roles of platelets during metastatic seeding
Myriam Labelle, St. Jude's Children’s Hospital, Memphis, TN

Hras^{G12V} and Pten loss cooperate in follicular thyroid cancer progression and metastasis, recruiting a tumor stroma enriched with myeloid and lymphoid derived immune cells*
Lee Ann Jolly, University of Arkansas for Medical Sciences, Little Rock, AR

Promotion of liver metastatic growth by neutrophils and FGF2
Ruth J. Muschel

CCL2-induced chemokine cascade promotes breast cancer metastasis via retention of metastasis-associated macrophages*
Takanori Kitamura, University of Edinburgh, Edinburgh, UK

The patient biosphere: Tumors live in people
Kenneth J. Pienta, Johns Hopkins University, Baltimore, MD

12:15 p.m.-12:30 p.m.  Closing Remarks
Zilker Ballroom 1-2

*Short talks from proffered abstracts