

Symposia on Cancer Research 2015



Emerging Concepts in Host Response to Cancer

Symposium Chairpersons:

James P. Allison, PhD
Sharon R. Dent, PhD
Raghu Kalluri, MD, PhD

October 8-9, 2015

The University of Texas MD Anderson Cancer Center
R. Lee Clark Clinic
Floor 11
1515 Holcombe Boulevard
Houston, Texas

For more information,
please call the Department of CME/Conference Management
at 713-792-2223
or visit our website at www.mdanderson.org/conferences

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Goal

Recent advances in cancer treatment have relied on our improved knowledge of the role of host responses much like those that combat infectious disease causing organisms. The role of cellular responses in cancer development and host response are new frontiers in human biology. In this symposium, fundamental and translational aspects of host response to cancer will be the focus. Keynote speakers are Michael Karin, PhD (University of California San Diego) and Clotilde Thery, PhD (Institute Curie, Paris). In addition, Mina J. Bissell, PhD (Lawrence Berkeley National Laboratory) will receive the Ernst W. Bertner Memorial Award and Robert Schreiber, PhD (Washington University School of Medicine) will receive the Heath Memorial Award. There will also be a poster session for participants to represent their findings. The symposium begins Thursday morning and will end Friday afternoon

Target Audience

The program will be of broad interest to scientists, scientists-in-training, physicians, physicians-in-training, students, nurses, and fellows interested in hearing the newest advances in the area of genomic medicine.

Educational Objectives

After attending the symposium, participants should be able to

- Apply the latest discoveries about the role of host response to cancer in clinical practice;
- Make decisions based on what is currently known about the microbiome's function in human health and biology;
- Relate the origins and diagnostic potential of the cancer exosome to clinical practice.

Educational Methods

- Lectures
- Question-and-Answer Sessions
- Panel Discussions
- Posters

Call for Posters

Abstracts may be submitted for the Poster Session but must be received no later than August 3, 2015. Please submit to www.Research2015@mdanderson.org.

Please indicate the category for your poster – Basic Epigenetic Mechanisms and Epigenetics of Tumors; Epigenetic Therapies; Microbiome/Metagenome in Cancer; Innate and Adoptive Immune Response; or Cancer Exosomes.

Should you have difficulty with the submission, call the Department of CME/Conference Management at 713.745.5000 for guidance. Participants will be notified of their posters' acceptance by mail or e-mail by August 21, 2015. Please indicate the person to whom correspondence should be sent if other than the first author and include an address, telephone number, fax number, and e-mail address (if available) when submitting the abstract. Registration for the symposium must be submitted at the same time as the abstract. Please register at www.mdanderson.org/conferences.

Young Investigator Travel Fellowship Awards

A limited number of travel fellowships will be available to graduate and medical students, postdoctoral fellows, and physicians in training. Only those applicants who submit abstracts will be considered for an award, which is intended to offset some of the expenses incurred by the recipient in connection with attending the symposium. Anyone wishing to apply for a travel fellowship should check the appropriate box on the registration form and attach a letter of recommendation. This letter should be on official letterhead, be signed by the dean or department head, and contain the following information about the applicant (due by August 3, 2015):

1. academic status
2. research activities in the subject area of the meeting
3. citations of recent articles in this subject area published in peer-reviewed journals



PROGRAM

Registration will open at 7:00 a.m. on Thursday, October 8, 2015.

Thursday, October 8, 2015

8:15 a.m.

Symposium Opening and Welcome

8:30

Keynote Lecture

Introduction: Raghu Kalluri, MD, PhD

From Inflammation to Immunity: Understanding Cancer and Improving its Treatment

Michael Karin, PhD

University of California San Diego

La Jolla, California

SESSION I: BASIC EPIGENETIC MECHANISMS AND EPIGENETICS OF TUMORS

Session Co-Chairs: Sharon R. Dent, PhD and Jessica Tyler, PhD

9:30

Introduction

Sharon R. Dent, PhD

9:35

Chromatin and Cancer: New Insights and Opportunities

Richard A. Young, PhD

Whitehead Institute

Cambridge, Massachusetts

10:05

Break

10:25

How DNA Methylation Organizes the Epigenome

Peter A. Jones, PhD, DSc

Van Andel Institute

Grand Rapids, Michigan

10:55

The Potential for Epigenetic Therapy to Enhance the Efficacy of Immune Checkpoint Therapy

Stephen Baylin, MD

The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Baltimore, Maryland

11:25

Development of Second Generation Epigenetic Anti-Cancer Agents

Philip Jones, PhD

Applied Cancer Science Institute

MD Anderson

Houston, Texas

11:55

Lunch/Poster Session

Trainee Lunch – Limited to 40 (on-site sign up)

PROGRAM

Thursday, October 8, 2015 *(continued)*

SESSION II: GENOMICS, IMMUNE RESPONSE AND EXOSOMES IN GLIOMAS

Session Co-Chairs: Xiaobing Shi, PhD and Joya Chandra, PhD

12:55 p.m.

Introduction

Xiaobing Shi, PhD

1:00

The Genetic and Epigenetic Landscape of Pediatric High-Grade Glioma

Suzanne Baker, PhD

St. Jude's Children's Research Hospital

Memphis, Tennessee

1:30

Macrophages as a Therapeutic Target in Cancer

Johanna A. Joyce, PhD

Memorial Sloan-Kettering Cancer Center

New York, New York

2:00

Glioblastoma Exosomes as Saboteurs and Biomarkers

Xandra Breakefield, PhD

Massachusetts General Hospital

Charlestown, Massachusetts

2:30

Break

SESSION III: HOST MICROBIOME/METAGENOME IN CANCER

Session Co-Chairs: Samuel Shelburne, MD, PhD and Jennifer Wargo, MD

2:45

Introduction

Jennifer Wargo, MD

2:50

The Human Microbiome in Cancer and Chemotherapy

Joseph Petrosino, PhD

Baylor College of Medicine

Houston, Texas

3:20

Cancer as a Disease of the Symbiont/Metaorganism

Giorgio Trinchieri, MD

National Cancer Institute

Bethesda, Maryland

3:50

The Importance of Microbial Activities in CRC

Christian Jobin, PhD

University of Florida College of Medicine

Gainesville, Florida

PROGRAM

Thursday, October 8, 2015 *(continued)*

4:20

Heath Award Lecture and Presentation

Introduction: James P. Allison, PhD

Personalizing Cancer Immunotherapy

Robert Schreiber, PhD

Washington University – School of Medicine

St. Louis, Missouri

5:30-6:30

Poster Reception

Friday, October 9, 2015

8:00 a.m.

Keynote Lecture

Introduction: Raghu Kalluri, MD, PhD

Exosomes and Other Extracellular Vesicles:

Biogenesis and Roles in Immune Responses in Cancer

Clotilde Thery, PhD

Institut Curie

Paris, France

SESSION IV: ADOPTIVE IMMUNE RESPONSE

Session Co-Chairs: Valerie LeBleu, PhD and Padmanee Sharma, MD, PhD

9:00

Introduction

Valerie LeBleu, PhD

9:05

Harnessing Novel Immune Pathways for Immunotherapy

Tak Mak, PhD

University of Alberta

Toronto, Ontario, Canada

9:35

Break

9:55

T cells vs. Tumor Cells: Engineering an Effective Therapeutic Response

Philip D. Greenberg, MD

Fred Hutchinson Cancer Research Center

Seattle, Washington

10:25

Tipping the Balance From a Pro-Carcinogenic to an Anti-Tumor Microenvironment in Pancreatic Cancers

Elizabeth M. Jaffee, MD

The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Baltimore, Maryland

PROGRAM

Friday, October 9, 2015 *(continued)*

10:55

Normal and Neoplastic Stem Cell
Irving Weissman, MD
Stanford University School of Medicine
Stanford, California

SESSION V: CANCER EXOSOMES

Session Co-Chairs: Michael Curran, PhD and Jonathan M. Kurie, MD

11:25

Introduction
Jonathan M. Kurie, MD

11:30

**Combinatorial Targeting of Vascular Growth
Factor Pathways**
Kari Alitalo, MD, PhD
Biomedicum Helsinki
Helsinki, Finland

Noon

microRNA Regulation of Tumor-Associated Macrophages
Michele De Palma
Ecole Polytechnique Federale de Lausanne
Lausanne, Switzerland

12:30 p.m.

Adaptation to Anti-Angiogenesis Therapy
Anil K. Sood, MD
MD Anderson
Houston, Texas

1:00

Lunch and Poster Session

2:00

Wilson Stone Award Presentation and Lecture
Introduction: Sharon R. Dent, PhD

2:45

Ernst W. Berther Award Lecture and Presentation
Introduction: Raghu Kalluri, MD, PhD

**Closing the Loop: How a Linear DNA Sequence Becomes a
Three Dimensional Tissue, and How it May Become Malignant
and Metastatic?**

Mina J. Bissell, PhD
Lawrence Berkeley National Laboratory
Berkeley, California

3:45

Closing Remarks

4:00

Adjourn

Agendas are subject to change because we are always striving to improve the quality of your educational experience. MD Anderson may substitute faculty with comparable expertise on rare occasions necessitated by illness, scheduling conflicts, and so forth.

Photographing, audiotaping and videotaping are prohibited.

Registration Information

On-site registration opens at 7:00 a.m., Thursday, October 8, 2015. The opening session will begin at 8:15 a.m. on October 8, and the symposium will adjourn at 4:00 p.m. on Friday, October 9, 2015. Advance registration is encouraged as space and materials are limited. Please see registration form for applicable fees. The deadline for advance registration is September 25, 2015.

There are three ways to register:

1. On-line at www.mdanderson.org/conferences
2. Mail to: Department of CME/Conference Management – Unit 1781, The University of Texas MD Anderson Cancer Center, P. O. Box 301407, Houston, Texas 77230-1407.
3. Fax to 713-794-1724

We accept the following forms of payment:

1. Check (payable through U.S. banks only)
2. Money Order
3. Credit Cards (MasterCard, VISA, and American Express)
4. Cash (on-site registration only)

When registering on-line a receipt/confirmation letter will be automatically e-mailed to the e-mail address you listed on the registration form. If you register by fax or mail, a receipt/confirmation letter will be sent to you within ten working days of receipt of your fee.

The full symposium registration fee includes the tuition, breaks, lunches, and reception. The student registration fee includes all of the above except lunches. Students wishing to participate in the lunches must pay an additional fee of \$24.00.

Students: A reduced registration fee has been established for full-time students and physicians- in-training (interns, residents, and fellows). All students claiming this reduced fee are required to submit a letter of introduction from the chairperson of their department with their registration form.

MD Anderson Alumni: Alumni is defined as any faculty member (research or clinical) who has worked at MD Anderson and has retired or resigned, or any educational trainee who has trained at MD Anderson.

Refund /Cancellation Policy: The registration fee, minus a \$50 administrative handling fee, is refundable if a written request is received on or before September 25, 2015. No refunds will be granted after that date. The request for a registration refund must include the tax identification number of the company or institution if registration was paid by a company or institution check. For additional information, contact CME/Conference Management at 713-792-2223 or toll free at 866-849-5866.

The Department of CME/Conference Management reserves the right to cancel activities prior to the scheduled date, if low enrollment or other circumstances make it necessary. Each registrant will be notified by mail, e-mail, or the contact numbers as given on the registration form. In case of activity cancellation, liability of the Department of CME/Conference Management is limited to the registration fee. CME/Conference Management will refund the full registration fee.

The Department of CME/Conference Management has the right to limit the number of participants in a program and is not responsible for any expenses incurred by an individual whose registration is not confirmed and for whom space is not available.

For additional information, contact the Department of CME/Conference Management at 713-792-2223 or 866-849-5866.

Special Assistance

Contact the Department of CME/Conference Management at 713-792-2223 or 866-849-5866 if you have any special dietary or ADA accommodation needs.

Accommodations

A block of rooms has been reserved for symposium attendees at the **Hotel ZaZa**, 5701 Main Street, Houston, Texas.

- Early hotel reservation is suggested.
- The hotel phone number is 713-526-1991.
- When you make reservations be sure to mention **MD Anderson's Research Symposium** to be assured of receiving the special meeting rate of \$219.00 single or double occupancy.
- Please add 17% Texas state and local taxes.
- Reservations and deposits received after September 7, 2015, will be confirmed if space is available and at current hotel published guest room rates.

Ground Transportation

- Houston is served by two airports, George Bush Intercontinental (IAH) and William P. Hobby (HOU).
- Taxicabs are available at an estimated cost of \$40-60 to or from William P. Hobby Airport or George Bush Intercontinental Airport.
- Super Shuttle operates a shuttle bus between George Bush Intercontinental Airport and the Hotel ZaZa for \$23 one-way and \$42 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.
- Super Shuttle operates a shuttle bus between William P. Hobby Airport and the Hotel ZaZa for \$18 one-way and \$32 round-trip. For more information, call 713-523-8888 or toll-free at 800-258-3826 or on-line at www.supershuttle.com.

Please let us know what specific topics, issues or questions you wish to see addressed or emphasized in this activity. Fax or e-mail CME/Conference Management. All responses will be forwarded to the Program Chairs for consideration.

SYMPOSIUM REGISTRATION-100812/111584

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Full Symposium Registration Fee

☐ Before September 25, 2015.....\$300.00
☐ After September 25, 2015.....\$375.00

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☐ Before September 25, 2015.....\$105.00
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☐ Before September 25, 2015.....\$725.00
☐ After September 25, 2015.....\$280.00

Student Registration Fee

☐ Before September 25, 2015.....\$100.00...Lunch Fee ☐ \$24
☐ After September 25, 2015.....\$125.00...Lunch Fee ☐ \$30

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☐ Before September 25, 2015.....Lunch Fee ☐ \$24
☐ After September 25, 2015.....Lunch Fee ☐ \$30

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