Symposia on Cancer Research 2011

New Roles for the EGFR Family in Cancer

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

Symposium Chairpersons:
Oliver Bogler, PhD
Mien-Chie Hung, PhD
Dihua Yu, MD, PhD

September 23 & 24, 2011

Call for Poster Abstract Deadline is July 29, 2011.
Submit Poster Abstracts to www.Research2011@mdanderson.org

For more information, please call the Department of CME/Conference Management at 713-792-2223 or visit our website at www.mdanderson.org/scr
The mission of the University of Texas MD Anderson Cancer Center is to eliminate cancer in Texas, the nation, and the world through outstanding programs that integrate patient care, research and prevention, and through education for undergraduate and graduate students, trainees, professionals, employees and the public.
Goal

The goal of the symposium is to highlight recent advances in the area of EGFR — family signaling in cancer, with emphasis on new findings that HER proteins have kinase-independent functions, and functions in cellular compartments beyond the plasma membrane. In addition, it will cover signaling of HER protein mutants and the role of EGFR signaling in cancer types where it has a particularly important role. Translational advances in HER-based therapy will also be discussed. Keynote speakers are Joseph Schlessinger, PhD (Yale University) and Webster Cavenee, PhD (University of California, San Diego). In addition, Yosef Yarden, PhD (The Weizmann Institute of Science) will receive the Ernst W. Bertner Memorial Award and John Mendelsohn, MD (MD Anderson) will receive the Heath Memorial Award. There will also be a poster session for participants to represent their findings.

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 EGFR, family receptor tyrosine kinases.

Educational Objectives

After attending the symposium, participants should be able to

- Learn about regulation and structure of HER proteins;
- Discuss new roles and locations for HER family proteins;
- Enumerate clinical targets;
- Explain HER Mutants;
- Explain model organisms.

Educational Methods

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

Evaluation

A course evaluation form will provide participants with the opportunity to comment on the value of the program content to their practice decisions, performance improvement activities, or possible impact on patient health status. Participants will also have the opportunity to comment on any perceived commercial bias in the presentations as well as to identify future educational topics.
Call for Posters

Abstracts may be submitted for the Poster Session but must be received no later than July 29, 2011. All abstracts must be submitted electronically via our website at http://www.Research2011@mdanderson.org.

Please indicate the category for your poster – Regulation and Structure of HER Proteins, New Roles and Locations for HER Family Proteins, Clinical Targets, HER Mutants, or Model Organisms. The top abstract in each category will be chosen to give an 8 minute/2 minute Q & A oral presentation.

Should you have difficulty with the electronic system, 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 20, 2011. 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 with the abstract. Submit the abstract and registration form to: http://www.Research2011@mdanderson.org.

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 July 29, 2011):

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
Friday, September 23, 2011

7:00 a.m.  Registration/Coffee
8:15  KEYNOTE LECTURE

Introduction
Mien-Chie Hung, PhD

Cell Signaling by Receptor Tyrosine Kinases
Joseph Schlessinger, PhD
Yale University
New Haven, Connecticut

SESSION I: Regulation And Structure Of HER Proteins
Session Co-chairs: Zhimin Lu, MD, PhD; Zhen Fan, MD

9:15  Introduction
Zhimin Lu, MD, PhD

9:20  Regulation of EGF Receptor by Endocytosis
Alexander Sorkin, PhD
University of Pittsburgh
Pittsburgh, Pennsylvania

9:50  Break

10:10  EGFR Signaling Networks in Cancer Development
Maria Sibilia, PhD
Medical University of Vienna
Vienna, Austria

10:40  New Mechanistic Lessons From EGFR Family Structures
Mark A. Lemmon, PhD
University of Pennsylvania, School of Medicine
Philadelphia, Pennsylvania

11:10  Wilson Stone Award Presentation and Lecture
Introduction: Dihua Yu, MD, PhD

11:50  Lunch/Poster Session
Friday, September 23, 2011

SESSION II: New Roles And Locations For HER Family Proteins
Session Co-chairs: Mien-Chie Hung, PhD; Elizabeth Travis, PhD

12:25 p.m. Introduction
Mien-Chie Hung, PhD

12:30 Novel Trafficking Pathway and Functions of EGF Receptor
Mien-Chie Hung, PhD
MD Anderson
Houston, Texas

1:00 EGFR in the Mitochondria-Manifestation of EGFR/c-Scr Synergy in Cancer
Sarah Parsons, PhD
University of Virginia Health System
Charlottesville, Virginia

1:30 Memo is a Novel Regulator of ErbB2
Nancy E. Hynes, PhD
Friedrich Miescher Institute of Biomedical Research
Basel, Switzerland

2:00 Break

SESSION III: Clinical Targets
Session Co-Chairs: Dihua Yu, MD, PhD; Francisco Esteva, MD, PhD

2:25 Introduction
Dihua Yu, MD, PhD

2:30 HER2-Targeting Therapies, Resistance, and Counter-acting Strategies
Dihua Yu, MD, PhD
MD Anderson
Houston, Texas

3:00 Resistance to Anti-HER2 Therapies: Mechanisms and Clinical Implications for Combinatorial Approaches
Carlos L. Arteaga, MD
Vanderbilt-Ingram Cancer Center
Nashville, Tennessee
3:30 Mechanisms of Resistance to EGFR Targeted Therapies
Pasi Janne, MD, PhD
Dana-Farber Cancer Institute
Boston, Massachusetts

4:00 The Impact of EGFR Genotype and Efficacy of EGFR Inhibitors
Bruce Johnson, MD
Dana-Farber Cancer Institute
Boston, Massachusetts

4:30 Heath Award Lecture and Presentation
Introduction
Mien-Chie Hung, PhD

Anti-EGF Receptor Therapy: Improving Our Aim at The Target
John Mendelsohn, MD
MD Anderson
Houston, Texas

5:30-6:30 Reception

Saturday, September 24, 2011
7:00 a.m. Registration/Coffee
9:00 KEYNOTE LECTURE
Introduction
Oliver Bogler, PhD

Cell Extrinsic Role of EGFR in Tumor Maintenance
Webster K. Cavanee, PhD
University of California, San Diego
San Diego, California

SESSION IV: HER Mutants
Session Co-chairs: Jonathan Kurie, MD; Oliver Bogler, PhD

10:00 Introduction
Jonathan Kurie, MD

10:05 Overcoming Intrinsic and Acquired Resistance to EGFR Inhibitors
Jeffrey Engelman, MD, PhD
Massachusetts General Hospital Cancer Center
Cambridge, Massachusetts

10:35 Gene Expression and Proteomic Predictors of EGFR Inhibitor Sensitivity in NSCLC Patients With Wild Type EGFR
John V. Heymach, MD, PhD
MD Anderson
Houston, Texas

11:05 Break
SESSION V: Model Organisms

Session Co-Chairs: Georg Halder, PhD; John Ladbury, PhD

11:25  Introduction
       Georg Halder, PhD

11:30  Genetically Engineered Mouse Models of Lung Cancer
       Kwok-Kin Wong, MD, PhD
       Dana-Farber Cancer Institute
       Boston, Massachusetts

Noon  A Drosophila Approach to Cancer Therapeutics
       Ross Cagan, PhD
       Mount Sinai School of Medicine
       New York, New York

12:30 p.m.  Regulation of EGFR-Ras Signaling and Ras-mediated Cooperative Tumourigenesis in the Drosophillia Model
            Helena Richardson, PhD
            Peter MacCallum Cancer Centre
            East Melbourne, Victoria, Australia

1:00  Lunch/Poster Session

1:30  Poster Awardees Oral Presentations
     Introduction
     Elizabeth Travis, PhD

2:30  The Ernst W. Bertner Memorial Award
     Introduction
     John Mendelsohn, MD

     Network Signaling by EGFR and HER2: Implications for Output Computation and Cancer Therapy
     Yosef Yarden, PhD
     The Weizmann Institute of Science
     Rehovot, Israel

3:30  Closing Remarks
     Mein-Chie Hung, PhD

3:35  Adjourn
Registration Information

On-site registration opens at 7:00 a.m., Friday, September 23, 2011. The opening session will begin at 8:15 a.m. on September 23, and the symposium will adjourn at 3:35 p.m. on Saturday, September 24, 2011. Advance registration is encouraged as space and materials are limited. Please see registration form for applicable fees. The deadline for advance registration is September 2, 2011.

There are three ways to register:
1. Mail to:
   Department of CME/Conference Management – Unit 1381, The University of Texas MD Anderson Cancer Center, P.O. Box 301439, Houston, Texas 77230-1439.
2. Fax to 713-794-1724
3. On-line at www.mdanderson.org/conferences

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 2, 2011. 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. Although no refunds will be granted after September 2, 2011, you may transfer your registration to a colleague. For additional information, contact CME/Conference Management at 713-792-2223 or toll free at 866-849-5866.

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.
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 either 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 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 Office 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 $169.00 single or double occupancy.
- Please add 17% Texas state and local taxes.
- The deadline to receive the special rate is August 23, 2011, unless the room block has already been filled.

### Air Travel

MD Anderson has a program with Continental Airlines for discounted air travel. For discounts, call your travel professional or Continental’s MeetingWorks toll free at 800-468-7022. Outside of the United States, please call your local Continental Airlines Reservation Office. **Mention Z Code: ZJMD and Agreement Code: 325945.**

### Ground Transportation

- Houston is served by two airports, George Bush Intercontinental (IAH) and William P. Hobby (HOU).
- Taxi cabs 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-0518
Symposia on Cancer Research
New Roles for the EGFR Family in Cancer – September 23-24, 2011

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