

*American Association
for Cancer Research*



AACR Centennial Symposium

The Future of Cancer Research: Science and Patient Impact

October 27-28, 2008 • Roswell Park Cancer Institute, Buffalo, NY

Conference Chairpersons:

Raymond N. DuBois, UT M.D. Anderson Cancer Center, Houston, TX

Donald L. Trump, Roswell Park Cancer Institute, Buffalo, NY

Continuing Medical Education (CME) Activity

AMA PRA Category 1 Credits™ Available

Advance Registration Deadline: September 15, 2008

www.aacr.org

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Scientific Program Committee

Alex A. Adjei, Roswell Park Cancer Institute, Buffalo, NY

Clara D. Bloomfield, The Ohio State University Comprehensive Cancer Center, Columbus, OH

William S. Dalton, H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL

Roy S. Herbst, UT M.D. Anderson Cancer Center, Houston, TX

Candace S. Johnson, Roswell Park Cancer Institute, Buffalo, NY

Kelvin P. Lee, Roswell Park Cancer Institute, Buffalo, NY

Edwin A. Mirand, Roswell Park Cancer Institute, Buffalo, NY

William G. Nelson, V, Sidney Kimmel Comprehensive Cancer Center, Baltimore, MD

Frank J. Rauscher, III, The Wistar Institute, Philadelphia, PA

Youcef M. Rustum, Roswell Park Cancer Institute, Buffalo, NY

The American Association for Cancer Research (AACR), founded in 1907, is a nonprofit scientific society of more than 28,000 laboratory, translational, and clinical cancer researchers whose mission is to prevent and cure cancer through research, education, and communication.

The AACR Centennial Symposium: The Future of Cancer Research: Science and Patient Impact will focus on the latest and future advances in cancer research, technologies, and techniques. This forward-looking centennial symposium will also be honoring the long history that the AACR has had with the Roswell Park Cancer Institute.

Cover Image: Docking study of a celecoxib derivative against PKA

Credit: Y. H. Tan, K. H. Lee, T. Lin, Y. C. Sun, H. M. Hsieh-Li, H. F. Juan, Y.C. Wang, *Clin Cancer Res* 2008 14: 1823-1830

CME Information

Continuing Medical Education (CME)

Accreditation Statement

The American Association for Cancer Research (AACR) is accredited by ACCME to provide continuing medical education activities for physicians.

Credit Designation Statement

AACR designates this educational activity for a maximum of 10.75 *AMA PRA Category 1 Credits*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Statement of Educational Need, Target Audience, and Learning Objectives

Improvements in diagnosis, treatment and prevention of cancer are closely linked to the development of state-of-the-art techniques and the future progress of cancer research. The dissemination of information about current and future techniques and cancer treatment from the researchers developing the treatments to the physician who treat the patients is crucial in order to ensure advances in cancer treatment, diagnosis, and prevention.

The AACR and the Roswell Park Cancer Institute have partnered to present this AACR Centennial Conference on the "The Future of Cancer Research: Science and Patient Impact." The conference will bring together investigators from around the world to share their expertise regarding the advances in basic science and clinical translation, as well as cutting edge clinical techniques, with the oncologists, internists, and oncology nurses. The conference begins with educational sessions that have been designed to establish a baseline level of information on both current clinical techniques, such as the use of molecular markers in the clinic, and cutting edge laboratory technologies, which are being translated to the clinic. The remaining four plenary sessions are designed to describe the latest laboratory breakthroughs in the context of the potential impact on patient care. Topics include advances in both experimental and molecular therapeutics, proteomics and systems biology, cancer genomics, prevention, and molecular epidemiology.

It is the advances on the cutting edge of translational research that bring about improvements in patient care. Dissemination and exchange of ideas about current and future techniques are imperative to expanding the knowledge base of physicians and thereby, creating a higher standard of care for cancer patients.

After participating in this CME activity, physicians should be able to:

- Explain how molecular markers and mechanisms are currently being applied to the clinic and patient treatment.
- Identify targets, focusing on epigenetic contributions in the tumor microenvironment, that can be and are being used to treat cancer.
- Assess how the emerging fields of proteomics and systems biology can be used to facilitate the development of cancer therapies.
- Articulate the role of molecular epidemiology in cancer prevention research.

Disclosure Statement

Information presented at AACR-sponsored CME activities will be unbiased and based on scientific evidence. AACR will provide information that Committee members and speakers have disclosed about financial relationships they have with commercial entities that produce or market products or services related to the content of this CME activity. This disclosure information will be made available in the Program and Proceedings of this conference.

Claiming CME Credit

Individuals wishing to receive *Category 1 Credit(s)* for their attendance at this educational activity should obtain a CME Request for Credit Form from the registration area or by writing to cme@aacr.org.

Questions about CME?

Please contact the AACR Office of CME at (215) 440-9300 or cme@aacr.org.



Scientific Program and Conference Schedule*

Monday, October 27

10:00 a.m. - 12:00 p.m. Educational Session 1: Impact of Translational Research on the Clinic – Molecular Targeted Therapy and Patient Outcome

Chairperson: Clara D. Bloomfield, The Ohio State University Comprehensive Cancer Center, Columbus, OH

Clinical Use of Molecular Markers in Curing Acute Myeloid Leukemia
Clara D. Bloomfield

Integration of Molecular Mechanisms of Drug Action into Clinical Treatment Decisions

Gerold Bepler, H. Lee Moffitt Cancer Center & Research Institute, Tampa, FL

Additional Speaker to be Announced

10:00 a.m. - 12:00 p.m. Educational Session 2: Application of Innovative Technologies of the 21st Century – An Overview

Chairperson: Norma J. Nowak, Roswell Park Cancer Institute, Buffalo, NY

Dynamic Molecular Imaging of Signal Transduction Pathways in Discovery Research

David Piwnica-Worms, Washington University School of Medicine, St. Louis, MO

Biomedical Informatics: Enabling Cancer Researchers to see the Forest AND the Trees

Kenneth H. Buetow, National Cancer Institute, Bethesda, MD

Sequencing the Cancer Genome

Richard K. Wilson, Washington University School of Medicine, St. Louis, MO

12:00 p.m. - 1:30 p.m. Opening Luncheon/Keynote Talk

Chairpersons: Raymond N. DuBois, UT M.D. Anderson Cancer Center, Houston, TX and **Donald L. Trump**, Roswell Park Cancer Institute, Buffalo, NY

Transforming FDA Science – Implications for Cancer Research
Frank M. Torti, Food and Drug Administration, Rockville, MD

1:45 p.m. - 3:45 p.m. Plenary Session 1: Experimental and Molecular Therapeutic Advances – What the Future Holds

Chairperson: Candace S. Johnson, Roswell Park Cancer Institute, Buffalo, NY

Epigenetic Silencing of Endothelial Cells in the Tumor Microenvironment
Candace S. Johnson

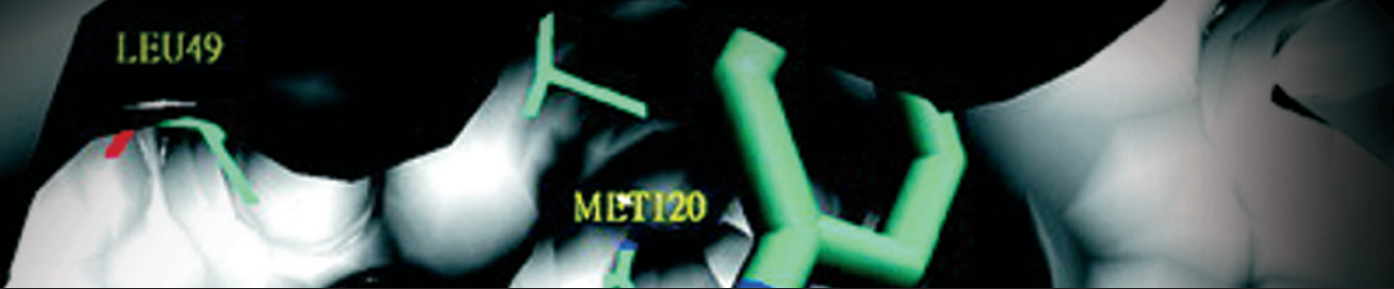
Normalizing Tumor Microenvironment to Treat Cancer: From Bench to Bedside and Back

Rakesh K. Jain, Massachusetts General Hospital, Boston, MA

Epigenetic Contributions to Chronic Lymphocytic Leukemia
Christoph Plass, German Cancer Research Center, Heidelberg, Germany

The HIF/VHL Pathway as a Paradigm for the Targeting of the Tumor Microenvironment Therapeutically

Amato J. Giaccia, Stanford University School of Medicine, Stanford, CA



Scientific Program and Conference Schedule

4:00 p.m. - 6:00 p.m. **Plenary Session 2: The Emerging Fields of Proteomics and Systems Biology**

Chairperson: Kenneth H. Buetow, National Cancer Institute, Bethesda, MD

Systems Biology and Systems Medicine

Leroy E. Hood, The Institute for Systems Biology, Seattle, WA

Computational Analysis of Signaling Network Data for Insights Concerning Network Operation

Douglas A. Lauffenburger, Massachusetts Institute of Technology, Cambridge, MA

Fast Tracking the Development of Cancer Biomarkers Using Proteomics

Samir M. Hanash, Fred Hutchinson Cancer Research Center, Seattle, WA

Linking Measurement and Mathematics in a Quantitative Analysis of Anticancer Therapy

Peter Sorger, Harvard Medical School, Boston, MA

Non-coding RNA – Principle in Medical Practice

George A. Calin, UT M.D. Anderson Cancer Center, Houston, TX

Title to be Announced

Moray J. Campbell, Roswell Park Cancer Institute, Buffalo, NY

10:30 a.m. - 12:00 p.m. **Plenary Session 4: The Relevance and Challenges of Cancer Prevention Research with a Focus on Molecular Epidemiology**

Chairperson: Christine B. Ambrosone, Roswell Park Cancer Institute, Buffalo, NY

Molecular Epidemiology in Cancer Prevention and Control

Christine B. Ambrosone

Molecular Targeting and the Prevention-Therapy Convergence

Scott M. Lippman, UT M.D. Anderson Cancer Center, Houston, TX

Title to be Announced

Nathaniel Rothman, National Cancer Institute, Bethesda, MD

7:00 p.m. - 9:00 p.m. **Opening Dinner/Keynote Talk**

Title to be Announced

Donald S. Coffey, Johns Hopkins University School of Medicine, Baltimore, MD

12:15 p.m. - 1:45 p.m. **Closing Luncheon/Keynote Talk**

Chairperson: Raymond N. DuBois, UT M.D. Anderson Cancer Center, Houston, TX

The Future of Cancer Research

Harold L. Moses, Vanderbilt-Ingram Cancer Center, Nashville, TN

Tuesday, October 28

8:30 a.m. - 10:15 a.m. **Plenary Session 3: The Knowledge within Genomics and Cancer Genomics Research**

Chairperson: Nickolas Papadopoulos, Sidney Kimmel Comprehensive Cancer Center and the Johns Hopkins Institutes' Ludwig Center for Cancer Genetics and Therapeutics, Baltimore, MD

The Genetic Landscape of Cancer

Nickolas Papadopoulos

1:45 p.m. - 2:00 p.m. **Closing Remarks**

Raymond N. DuBois, UT M.D. Anderson Cancer Center, Houston, TX and **Donald L. Trump**, Roswell Park Cancer Institute, Buffalo, NY

Departure

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General Information

Registration Process

Registration forms will not be processed without full payment. We cannot accept government or other payment orders. All fees must be in U.S. currency, drawn on a U.S. bank. Current AACR members in good standing (i.e. dues paid for 2008) will receive a reduced registration rate; however, members must include their member ID number on the registration form or log into their AACR member account online to obtain the AACR member rate.

You may register using the Internet, mail, or fax. To register online or to download the registration form, please visit www.aacr.org and follow the link for the The Future of Cancer Research conference.

Registration Rates

Attendee registration includes admission to all sessions, the dinner on October 27, lunches on October 27 and 28, continental breakfast on October 28, and refreshment breaks.

	Advance Registration by September 15	After September 15
AACR Members	\$150	\$175
RPCI Members	\$150	\$175
Nonmembers	\$225	\$250
Spouse/guest (no admittance to lecture sessions)		
Adults	\$150	\$150
Child 4-12 years old	\$50	\$50

Refund Policy

Requests for refunds must be made in writing and received by the AACR Meetings Department by **September 29, 2008**. Refund requests may be sent by fax to (215) 351-9165 or by e-mail to meetings@aacr.org. There will be a \$75 administrative fee for processing cancellations received by September 29, 2008. After September 29, 2008, no refunds can be made.

Conference Site: Roswell Park Center Institute

The conference will be held at the Roswell Park Cancer Institute (RPCI) in Buffalo, NY. RPCI, the nation's oldest cancer research and treatment center, was established in 1898 on the principle of integrating clinical cancer care, cancer research, and cancer education. RPCI was among the first of the Comprehensive Cancer Centers designated by the National Cancer Institute in 1974, has held this designation continuously since that time, and is one of only a handful of free-standing NCI-designated comprehensive cancer centers in the country. Since 1998, nearly \$400 million has been invested in creating a new campus for the 21st century and plans for continued growth and expansion are underway. Roswell Park's 29-acre campus, located in downtown Buffalo, NY on the Buffalo Niagara Medical Campus, is comprised of 16 buildings with nearly 2 million square feet of space including six major research buildings, a 133-bed hospital, and an ambulatory center serving over 170,000 outpatient visits annually.

Buffalo, New York State's second largest city, is located on the shores of Lake Erie with the rolling hills of the Southern Tier and ski country to the south and Niagara Falls and wine country to the north. In the fall, Buffalonians celebrate their four-season City with first class golf courses, sailing, fishing, enjoying fall color that rivals that of New England, and hiking the Niagara Reservation – the state park that allows you to experience Niagara Falls up close and personal. The city is known for its world class turn-of-century architecture (including five Frank Lloyd Wright homes), the renowned Albright Knox Art Gallery, a vibrant arts and theater scene, and the highly regarded Buffalo Philharmonic Orchestra whose home is Kleinhans' Music Hall, designed by Eliel and Eero Saarinen, where conference participants will have dinner on Monday evening. For more information on the region, visit www.visitbuffaloniagara.com.

Travel to Buffalo

Located on 25 acres in downtown Buffalo, between the shores of Lake Erie and Lake Ontario, Roswell Park Cancer Institute is a 10-minute drive from the Canadian border. It is served by the new *Buffalo Niagara International Airport*, which offers 95 daily non-stop flights, and the *Niagara Falls International Airport*, which accommodates international charter and cargo flights.

Official Travel Agency

The official travel agency for the AACR is Experient Travel. Experient will provide custom itineraries with the lowest applicable airfares and best journey time. Fly on United Airlines and save with special discounts for conference attendees and guest. Experient Travel: 800-621-1083. If calling from outside of the U.S. or Canada, please call 847-940-1176. Experient is open from 8:00 AM- 5:00 PM U.S. Central Time. Email: airtravel@experient-inc.com

You may also contact United Airlines directly at 800-521-4041 or www.united.com. Please use reference #598CD.

Car Rental

The AACR has negotiated a car rental discount through Hertz Car Rental. Reservations can be made online at: www.hertz.com or by calling 800-654-2240. In order to use the discount please reference CV #02ST0010.

Travel by Train

Rail service to Buffalo is provided by Amtrak. There is taxi service available from the train station.

Airline Travel

Buffalo Niagara International Airport is approximately six miles from RPCI. Many area hotels offer shuttle bus transportation from the airport. Alternately, there is taxi service. Rental cars are also available.

More information is available at www.roswellpark.org/site/aboutus/directions_maps

Hotel Reservations

AACR does not have a reserved room block for this conference. At the recommendation of the Roswell Park Cancer Institute, below are three hotels that are convenient to the Roswell Park Cancer Institute:

Doubletree Hotel, 125 High Street, Buffalo, New York, 14203. Phone: 1-716-845-0112. Fax: 1-716-845-0125. www.doubletree.com.

The Doubletree Club Buffalo Downtown hotel is situated just 15 minutes from *Buffalo Niagara International Airport* with easy access to I-90 and the New York State Thruway. Doubletree Club Buffalo Downtown hotel features include: complimentary wireless Internet in all public areas and meeting rooms; 24-hour fitness center; 24-hour business center; and the only Au Bon Pain bakery cafe in Western New York. Whether your stay involves work or play, the friendly and courteous staff at the Doubletree Club Buffalo Downtown hotel look forward to welcoming you to Buffalo with their very special, signature warm chocolate chip cookie at check-in. This hotel is connected to the Roswell Park Cancer Institute and is offering a special conference rate of \$109 if you make your reservations by October 26, 2008. To make reservations please call 1-716-845-0112 and reference AACR.

Hampton Inn & Suites Buffalo Downtown, 220 Delaware Avenue, Buffalo, New York, 14202. Phone: 1-716-855-2223. Fax: 1-716-856-5221. www.hampton.com.

The Hampton Inn & Suites Buffalo Downtown is eager to make your stay at this 137-room hotel in Buffalo an unforgettable experience that begins the minute you pull up to the Hampton Inn, a hotel housed in the historic Jackson Building, built in 1920. Amenities include an indoor pool, whirlpool, and fitness center. The hotel offers both complimentary parking and a complimentary shuttle between the *Buffalo Niagara International Airport* and the hotel. Roswell Park Cancer Institute will provide a complimentary shuttle to the conference. Please check the AACR website for more details. Cabs are also available. To make a reservation call the hotel at 1-716-855-2223.

Holiday Inn Buffalo-Downtown, 620 Delaware Avenue, Buffalo, New York, 14202. Phone: 1-716-886-2121. Fax: 1-716-886-7942. www.hibuffalodowntown.com.

Welcome to the Holiday Inn Buffalo Downtown hotel located in the historic Allentown district of Buffalo and near quaint shops, restaurants, and adjacent to the Wilcox Mansion, site of the Teddy Roosevelt inauguration. The hotel has recently renovated the lobby and added wireless high-speed Internet access throughout the hotel. There is also a fitness center and an outdoor heated pool. This hotel is 12 miles or about 15 minutes from *Buffalo Niagara International Airport* and there is a free airport shuttle service. The Holiday Inn Buffalo-Downtown is a mile from the Roswell Park Cancer Institute and a complimentary shuttle is available. Simply let the hotel know you will need a shuttle to the Roswell Park Cancer Institute and they will arrange one for you. The rate at this hotel is \$99.00 if you let them know you are with the Roswell Park Cancer Institute. To make a reservation please call 1-716-886-2121.

Assistance for Registrants with Disabilities

The AACR's conferences are accessible to all investigators. Registrants with special requirements for transportation, hotel accommodations, or other facilities connected with the conference should inform the AACR by checking the appropriate box on the registration form or by contacting the AACR Meetings Department before September 15, 2008 at (215) 440-9300 or meetings@aacr.org.

AACR Membership

AACR membership opportunities are available to individuals who are interested in joining AACR and registering for this conference at the reduced member rates. AACR Membership offers an array of benefits some of which include: subscriptions to AACR's six scientific journals; abstract sponsorship privileges during the AACR Annual Meeting; networking and scientific exchange with leading researchers; and more. AACR is also eager to support the exchange of knowledge and research with investigators who are located in countries with emerging economies. (Significantly reduced membership dues are available for these investigators.) Individuals interested in joining AACR are encouraged to visit our website at www.aacr.org to download the AACR Membership Application Form. Applications for membership should be submitted at least two weeks prior to the start of the conference. Questions may be sent to membership@aacr.org.



American Association
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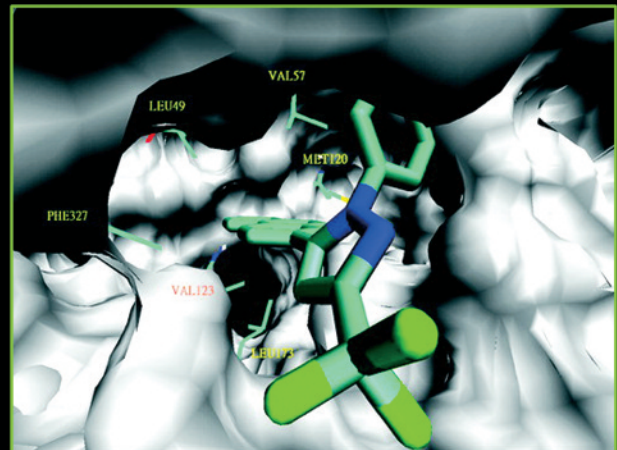


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