



RADIATION SCIENCE AND MEDICINE

RELATED SESSIONS

AACR.org

AACR
American Association
for Cancer Research

**ANNUAL
MEETING**
2015 | PHILADELPHIA

SATURDAY, APRIL 18, 2015

EDUCATIONAL SESSION

Improving Cancer Drug Bioavailability by Use of Controlled Delivery and Release

Saturday, April 18, 2015, 3:15 p.m. - 5:15 p.m.

Room 122, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Dennis E. Hallahan. Washington University School of Medicine, St. Louis, MO
"Therapeutic antibodies targeting radiation inducible antigens on cancer"

Speakers

Mark W. Dewhirst. Duke University Medical Center, Durham, NC
"Thermal regulation of cancer drug release"

Stephen J. Kron. The University of Chicago, Chicago, IL
"Tumor targeting nanoparticles with radiation-enhanced permeability and retention"

Roberto Diaz. Moffitt Cancer Center & Research Institute, Tampa, FL
"Radiation controlled delivery of cancer drugs"

PROFESSIONAL ADVANCEMENT SESSION

Careers in Clinical and Translational Cancer Research

Saturday, April 18, 2015, 5:30 p.m. - 7:30 p.m.

Grand Ballroom Salons C-E (Level 5), Philadelphia Marriott Downtown

Chairperson

A. William Blackstock, Jr. Wake Forest University School of Medicine, Winston Salem, NC

Speakers

Beverly A. Teicher. National Cancer Institute, Bethesda, MD
Steven D. Averbuch. Bristol-Myers Squibb Co., Princeton, NJ
Dan Theodorescu. University of Colorado Cancer Center, Aurora, CO

SUNDAY, APRIL 19, 2015

MEET THE EXPERT SESSION

Combining Molecularly Targeted Therapies with Chemoradiation

Sunday, April 19, 2015, 7:00 a.m. - 8:00 a.m.

Room 122, Pennsylvania Convention Center

CME-Designated

Theodore S. Lawrence. University of Michigan, Ann Arbor, MI

RECENT ADVANCES IN ORGAN SITE RESEARCH SESSION

New Insights into the Role of Ultraviolet Radiation in Melanoma

Sunday, April 19, 2015, 1:00 p.m. - 3:00 p.m.

Room 119, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Adele C. Green. Queensland Institute of Medical Research, Brisbane QLD, Australia
"Epidemiologic evidence of the causal association between UV radiation and melanoma"

Speakers

Richard M. Marais. Cancer Research UK Manchester Institute, Manchester, United Kingdom
"How ultraviolet radiation drives melanomagenesis"
Thomas Tuting. University of Bonn, Bonn, Germany
"UV irradiation, immunity and inflammation in melanomopathogenesis"
David E. Fisher. Massachusetts General Hospital, Boston, MA
"Cutaneous UV and pigmentation pathways and their effects on melanoma risk"

REGULATORY SCIENCE AND POLICY SESSION

The Role of Neo-Adjuvant Treatment in Drug Development for Solid Tumors

Sunday, April 19, 2015, 1:00 p.m. - 3:00 p.m.

Room 122, Pennsylvania Convention Center

CME-Designated

Chairpersons

Tatiana Prowell. U.S. Food and Drug Administration, Silver Spring, MD
Marc Theoret. U.S. Food and Drug Administration, Silver Spring, MD

Speakers

Renzo Canetta. Bristol-Myers Squibb Co., Wallingford, CT
Paul B. Chapman. Memorial Sloan Kettering Cancer Center, New York, NY
Robert Dreicer. University of Virginia, Charlottesville, VA
Caitlin Riley. Melanoma Research Alliance, Washington, DC

POSTER SESSION

Tumor Microenvironment/Innate Immune Activators

Sunday, April 19, 2015, 1:00 p.m. - 5:00 p.m.

Section 13

REGULATORY SCIENCE AND POLICY SESSION

Evolution of Personalized Drug Development in Oncology-Tyrosine Kinase Inhibitors

Sunday, April 19, 2015, 3:00 p.m. - 5:00 p.m.

Room 119, Pennsylvania Convention Center

CME-Designated

Chairperson

Gideon Blumenthal. U.S. Food and Drug Administration, Silver Spring, MD

Speakers

Gideon Bollag. Plexxikon Inc., Berkeley, CA
Pasi A. Jänne. Dana-Farber Cancer Institute, Boston, MA
Scott Kopetz. University of Texas MD Anderson Cancer Center, Houston, TX
Reena Philip. U.S. Food and Drug Administration, Silver Spring, MD
Mehdi Shahidi. Boehringer Ingelheim, Germany

SPECIAL SESSION

Clinical Oncology/Hematology Fellows Networking and Mentoring Reception

Sunday, April 19, 2015, 7:00 p.m. - 8:15 p.m.

Franklin 12 Ballroom, Philadelphia Marriott Downtown

Clinical research fellows, postdoctoral fellows, assistant professors, or equivalent early-career investigators actively engaged in clinical oncology/hematology cancer research are invited to attend this networking and mentoring reception. This special informal event will feature remarks by current AACR President, Dr. Carlos L. Arteaga. Complimentary hors d'oeuvres and beverages will be available for all attendees.

MONDAY, APRIL 20, 2015

POSTER SESSIONS

Translational Radiation Oncology

Monday, April 20, 2015, 8:00 a.m. - 12:00 noon

Section 33

Preclinical and Clinical Imaging of Molecular Events in Tumors

Monday, April 20, 2015, 8:00 a.m. - 12:00 p.m.

Section 18

RECENT ADVANCES IN DIAGNOSTICS AND THERAPEUTICS RESEARCH SESSION

Exploiting DNA Repair Deficiencies in Cancer

Monday, April 20, 2015, 10:30 a.m. - 12:30 p.m.

Room 113, Pennsylvania Convention Center

CME-Designated

Chairperson

Alan Ashworth. University of California, San Francisco, Helen Diller Family Comprehensive Cancer Center, San Francisco, CA

Speakers

Gerburg M. Wulf. Beth Israel Deaconess Medical Center, Boston, MA
"PI3K-inhibitors enhance DNA damage in tumor cells through a reduction in nucleotide biosynthesis"

Alan D. D'Andrea. Dana-Farber Cancer Institute, Boston, MA
"Extending PARP inhibitor therapy in ovarian and breast cancer"

Yves G. Pommier. National Cancer Institute, Bethesda, MD
"Alterations of DNA repair genes in cancer cell lines and their predictive value for drug activity"

H. Christian Reinhardt. University of Cologne, Cologne, Germany
"Targeting cell cycle checkpoint pathways for personalized cancer therapy"

CAREER CONVERSATIONS SESSION

In Transition: From Student to Leader

Monday, April 20, 2015, 12:00 noon - 1:00 p.m.

AACRcentral, Associate Member Resource and Career Center, Halls B-E
Julie K. Schwarz. Washington University School of Medicine, St. Louis, MO
Andrew D. Rhim. University of Michigan Medical School, Ann Arbor, MI

SPECIAL SESSION

Tumor Microenvironment Working Group: TME Career Opportunities and Challenges for Young Investigators

Monday, April 20, 2015, 12:30 p.m. - 2:00 p.m.

AACRcentral, AACR Amphitheater, Halls B-E

Panelists

Raghu Kalluri. University of Texas MD Anderson Cancer Center, Houston, TX
Morag Park. Canadian Institute of Health Research, Montréal, QC, Canada
Mary Helen Barcellos-Hoff. New York University, New York, NY

POSTER SESSION

DNA Damaging and Antimitotic Agents and Cytotoxicity Modulators

Monday, April 20, 2015, 1:00 p.m. - 5:00 p.m.

Section 28

RECENT ADVANCES IN ORGAN SITE RESEARCH SESSION

Localized Prostate Cancer: Next Generation Sequencing and Beyond

Monday, April 20, 2015, 1:00 p.m. - 3:00 p.m.

Room 108, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Felix Y. Feng. University of Michigan Medical Center, Ann Arbor, MI
"Beyond protein coding genes: Long noncoding RNAs as biomarkers and potential therapeutic targets in prostate cancer"

Speakers

Scott A. Tomlins. University of Michigan Medical School, Ann Arbor, MI
"Molecular pathology applications in localized prostate cancer"
Levi A. Garraway. Dana-Farber Cancer Institute, Boston, MA
"New insights into primary prostate cancer biology"
Michael C. Haffner. Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD
"Challenges of intratumor heterogeneity in prostate cancer"

MINISYMPOSIUMS

Immune Checkpoint Inhibition

Monday, April 20, 2015, 3:00 p.m. - 5:00 p.m.

Terrace Ballroom IV (400 Level), Pennsylvania Convention Center

CME-Designated

Chairpersons

Mario Sznol. Yale Cancer Center, New Haven, CT
Jeffrey A. Sosman. Vanderbilt University Medical Center, Nashville, TN

PARP and DNA Repair Inhibitors

Monday, April 20, 2015, 3:00 p.m. - 5:00 p.m.

Room 108, Pennsylvania Convention Center

CME-Designated

Chairpersons

Yves G. Pommier. National Cancer Institute, Bethesda, MD
Malcolm A. Smith. National Cancer Institute, Bethesda, MD

REGULATORY SCIENCE AND POLICY SESSION

Integrating Patient Reported Outcomes (PROs) into Regulatory Evaluation

Monday, April 20, 2015, 3:30 p.m. - 5:30 p.m.

Room 122, Pennsylvania Convention Center

CME-Designated

Chairperson

Paul G. Kluetz. U.S. Food and Drug Administration, Silver Spring, MD

Speakers

Alicyn Campbell. Genentech, Inc., South San Francisco, CA
Laura Lee Johnson. U.S. Food and Drug Administration, Silver Spring, MD
Lori M. Minasian. National Cancer Institute, Rockville, MD
Arturo Molina. Janssen Research and Development, Menlo Park, CA
Patricia Spears. North Carolina State University, Raleigh, NC

SPECIAL SESSION

AACR Radiation Oncology Task Force Open Forum and Networking Reception

Monday, April 20, 2015, 5:00 p.m. - 6:30 p.m.

Howe Room, 33rd Floor, Loews Philadelphia Hotel

Ongoing AACR programs and initiatives related to radiation science and medicine, including the recent Inaugural AACR Think Tank on Radiation Oncology and all next steps for the Radiation Oncology Task Force will be discussed. A networking reception will be held following all forum presentations and discussion. Complimentary hors d'oeuvres and beverages will be available for all attendees.

Chairperson

Theodore S. Lawrence. University of Michigan, Ann Arbor, MI

Speakers

Dennis E. Hallahan. Washington University School of Medicine, St. Louis, MO
Quynh-Thu Le. Stanford Cancer Institute, Palo Alto, CA

TUESDAY, APRIL 21, 2015

MEET THE EXPERT SESSION

Radiation and Immunotherapy: From Preclinical Models to Cancer Patients

Tuesday, April 21, 2015, 7:00 a.m. - 8:00 a.m.

Room 108, Pennsylvania Convention Center

CME-Designated

Silvia C. Formenti. New York University, New York, NY

POSTER SESSIONS

Special Populations, Supportive Care, and Survivorship Research / Radiation Oncology

Tuesday, April 21, 2015, 8:00 a.m. - 12:00 noon

Section 23

Targeting Cell Death and DNA Repair

Tuesday, April 21, 2015, 8:00 a.m. - 12:00 noon

Section 32

Radiation Biology 1: DNA Damage and Repair, Molecular Modulators of Radiation Response, and Resistance

Tuesday, April 21, 2015, 8:00 a.m. - 12:00 noon

Section 18

Radiation Biology 2: Modifiers and Signal Transduction, Sensitivity, Resistance, and Therapy

Tuesday, April 21, 2015, 8:00 a.m. - 12:00 noon

Section 19

RECENT ADVANCES IN DIAGNOSTICS AND THERAPEUTICS RESEARCH SESSION

New Strategies in Theranostics

Tuesday, April 21, 2015, 10:30 a.m. - 12:30 p.m.

Room 108, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Zaver M. Bhujwalla. Johns Hopkins University School of Medicine, Baltimore, MD
"Theranostic imaging of the tumor microenvironment"

Speakers

Charles F. Caskey. Vanderbilt University, Nashville, TN
"Ultrasonic imaging and therapy in small animal cancer models"
Xiaoyuan Chen. National Institutes of Health, Bethesda, MD
"Plasmonic noble metal-based nanotheranostics"
Sarah Marie Cheal. Memorial Sloan Kettering Cancer Center, New York, NY
"Theranostic pretargeted radioimmunotherapy with anti-DOTA-hapten bispecific antibodies"

RECENT ADVANCES IN ORGAN SITE RESEARCH SESSION

The Expanding Prostate Cancer Imaging Armamentarium: New Tools for Tackling a Heterogeneous Disease

Tuesday, April 21, 2015, 10:30 a.m. - 12:30 p.m.

Room 119, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Hedvig Hricak. Memorial Sloan Kettering Cancer Center, New York, NY
"Multimodality imaging of primary and metastatic prostate cancer: advances, gaps, and limitations"

Speakers

Masoom A. Haider. University of Toronto, Toronto, ON, Canada
"Advances in MRI diagnostics"

Peter Choyke. National Cancer Institute, Bethesda, MD
"Molecular imaging in biochemical recurrence"

Uwe Haberkorn. German Cancer Research Center, Heidelberg, Germany
"PSMA ligands for diagnosis and therapy of prostate cancer"

RECENT ADVANCES IN DIAGNOSTICS AND THERAPEUTICS RESEARCH SESSIONS

Curative Ablation of Oligometastases during Systemic Therapy: Patient Selection and Molecular Predictors

Tuesday, April 21, 2015, 10:30 a.m. - 12:30 p.m.

Room 118, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Robert G. Bristow. University Health Network Princess Margaret Hospital, Toronto, ON, Canada
"Molecular signatures for oligometastases in prostate cancer: a default approach"

Speakers

Paul Okunieff. University of Florida Shands Cancer Center, Gainesville, FL
"Clinical radiobiology metastases"

Ralph R. Weichselbaum. University of Chicago Medicine, Chicago, IL
"Cellular and molecular pathways in oligometastasis"

Alexander Louie. London Health Sciences Centre, London, ON, Canada
"Stereotactic radiotherapy versus surgery for oligometastases: uncertainties and clinical trials"

DNA Repair Pathways in Cancer: Basic Biology and Clinical Utility

Tuesday, April 21, 2015, 1:00 p.m. - 3:00 p.m.

Room 121, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Andrea L. Richardson. Brigham & Women's Hospital, Boston, MA
"Genomic signatures of DNA repair defects and prediction of therapy response in cancer"

Speakers

Junjie Chen. University of Texas MD Anderson Cancer Center, Houston, TX
"DNA repair pathway choice in cancer therapy"

Phillip P. Connell. University of Chicago, Chicago, IL
"RPS: a DNA repair pathway gene expression score that provides prognostic information and predicts sensitivity to treatment"

Serena Nik-Zainal. Wellcome Trust Sanger Institute, Cambridge, United Kingdom

"Whole genome sequencing readouts of deficiencies in DNA repair pathways"

MAJOR SYMPOSIUM

Empowering Antibodies to Fight Cancer: ADCs and Immunoconjugates

Tuesday, April 21, 2015, 1:00 p.m. - 3:00 p.m.

Room 201, Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

Jonathan G. Drachman. Seattle Genetics, Inc., Bothell, WA
"The next generation of ADCs"

Speakers

Paul G. Polakis. Genentech, Inc., South San Francisco, CA
"Lessons learned from ADCs"

Anna M. Wu. University of California, Los Angeles, David Geffen School of Medicine, Los Angeles, CA

"Radioimmunoconjugates for molecular imaging of cancer"

Dario Neri. Swiss Federal Institute of Technology, Zürich, Switzerland
"Arming tumor-targeting antibodies with cytokine payloads: Emerging clinical results"

REGULATORY SCIENCE AND POLICY SESSION

Clinical Trial Enrichment Strategies: Designing a Prospectively Defined Retrospective Analysis Study

Tuesday, April 21, 2015, 3:00 p.m. - 5:00 p.m.

Room 122, Pennsylvania Convention Center

CME-Designated

Chairperson

Eric H. Rubin. Merck Research Laboratories, North Wales, PA

Speakers

Yun-Fu Hu. U.S. Food and Drug Administration, Silver Spring, MD

Geoffrey Kim. National Cancer Institute, Bethesda, MD

Lisa M. McShane. National Cancer Institute, Bethesda, MD

Cyrus R. Mehta. Dana-Farber Cancer Institute, Boston, MA

Richard M. Simon. National Cancer Institute, Bethesda, MD

WEDNESDAY, APRIL 22, 2015

MEET THE EXPERT SESSION

DNA Damage, Checkpoint Signaling and Therapeutic Opportunities

Wednesday, April 22, 2015, 7:00 a.m. - 8:00 a.m.

Room 108, Pennsylvania Convention Center

CME-Designated

Helen M. Piwnica-Worms. University of Texas MD Anderson Cancer Center, Houston, TX

MAJOR SYMPOSIUM

Enhancing Efficacy of Cancer Immunotherapy by Use of Ablative Therapy

Wednesday, April 22, 2015, 10:00 a.m. - 12:00 noon

Room 113, Pennsylvania Convention Center

CME-Designated

Chairperson

Bo Lu. Thomas Jefferson University Hospital, Philadelphia, PA

Speakers

James P. Allison. University of Texas MD Anderson Cancer Center, Houston, TX
"Targeting immune checkpoints in cancer therapy: New insights and opportunities"

James W. Hodge. National Cancer Institute, Bethesda, MD
"Tapping the potential of immunogenic modulation to attack malignant cells that survive therapy"

Yang-xin Fu. University of Chicago, Chicago, IL

"Radiation-mediated DNA sensing pathway for immunity and tumor regression"

Drew M. Pardoll. Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD

"Immune responses to DNA damage and DNA modulation in cancer cells"

PLENARY SESSION

AACR Annual Meeting 2015 Highlights: Vision for the Future

Wednesday, April 22, 2015, 12:00 noon - 1:30 p.m.

Terrace Ballroom I-IV (400 Level), Pennsylvania Convention Center

CME-Designated

Chairperson and Speaker

M. Celeste Simon. Abramson Family Cancer Research Institute, Philadelphia, PA

Speakers

Lewis C. Cantley. Sandra and Edward Meyer Cancer Center at Weill Cornell Medical College, New York, NY

Carlos L. Arteaga. Vanderbilt-Ingram Cancer Center, Nashville, TN

William G. Nelson. Johns Hopkins Kimmel Comprehensive Cancer Center, Baltimore, MD

José Baselga. Memorial Sloan Kettering Cancer Center, New York, NY



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For more information regarding the
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