RADIATION SCIENCE AND MEDICINE
RELATED SESSIONS

AACR.org

American Association for Cancer Research
ANNUAL MEETING
2015 | PHILADELPHIA
**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

Chairperson and Speaker

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

Speakers

Richard M. Marais. Cancer Research UK Manchester Institute, Manchester, United Kingdom

“Tumor microenvironment and melanoma”

Thomas Tuting. University of Bonn, Bonn, Germany

“UV radiation and melanoma”

David E. Fisher. Massachusetts General Hospital, Boston, MA

“Cutaneous UV and pigmentation pathways and their effects on melanoma”

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

**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

“P53-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, Koln, Germany

“Targeting cell cycle checkpoint pathways for personalized cancer therapy”
CARERE 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.
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
“Ultrasound 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
**TUESDAY, APRIL 21, 2015**

**DNA Repair Pathways in Cancer: Basic Biology and Clinical Utility**
Tuesday, April 21, 2015, 10:30 a.m. - 12:30 p.m.
Room 118, 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, 1:00 p.m. - 3:00 p.m.
Room 121, 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 Okuneff. 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”

**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

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

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
Bo Lu. Thomas Jefferson University Hospital, Philadelphia, PA

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

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

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

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

**For more information regarding the AACR Radiation Oncology Task Force, please contact: Michael J. Powell, PhD, Executive Office Senior Program Administrator 215-440-9373 • michael.powell@aacr.org**