



American
Institute for
Cancer
Research®

The **25**th
**AICR
Research
Conference**

***CELEBRATING A GENERATION
OF CANCER RESEARCH***

November 14-16, 2016

Marriott Bethesda North Hotel & Conference Center

North Bethesda, MD

Conference at a Glance

MONDAY, NOVEMBER 14

1:00pm – 1:15pm	Conference Opening and Welcome	Salon A-D
1:15pm – 4:45pm	Opening Plenary Session: <i>Energy Balance, Obesity and Physical Activity – Emerging Concepts and Strategies for Intervention</i> Recognition of Conference Scholarship Recipients	Salon A-D
5:00pm – 7:00pm	Poster Session I and Reception	Salon G-H

TUESDAY, NOVEMBER 15

6:30am – 8:15am	Continental Power Breakfast	Grand Foyer A-D
7:00am – 8:15am	Breakfast Session I: <i>Dietary Supplements and Cancer: What We Have Learned</i>	Salon A-D
8:45am – 12:00pm	Morning Split Sessions: <i>Split Session A. Dietary Modulation of the Microbiome and Cancer Risk</i>	White Oak A-B
	<i>Split Session B. Nutrition After Cancer Diagnosis</i>	Brookside A-B
12:00pm – 1:30pm	Tuesday Luncheon and Networking	Salon A-D and Grand Foyer A-D
1:30pm – 4:45pm	Afternoon Split Sessions: <i>Split Session C. Mechanisms and Biomarkers in the –omics Era</i>	White Oak A-B
	<i>Split Session D. Social, Cultural and Economic Barriers to Cancer Prevention and Control</i>	Brookside A-B
5:00pm – 7:00pm	Poster Session II and Reception	Salon G-H

WEDNESDAY, NOVEMBER 16

6:30am – 8:15pm	Continental Power Breakfast	Grand Foyer A-D
7:00am – 8:15am	Breakfast Split Sessions: Breakfast Session II: <i>Food, Nutrition and Cancer Immunology: Etiology, Therapy and Survivorship</i>	Salon A-D
	Breakfast Session III: <i>Dietary Patterns: Clarifying the Relationship between Diet and Cancer</i>	Salon E
8:45 – 12:00pm	Closing Plenary Session: Presentation of the John A. Milner poster awards <i>Diet, Nutrition, Physical Activity and Cancer: Science and Translation for the Next 25 Years</i>	Salon A-D
12:00pm	Conference Closes	

Program Schedule

MONDAY, NOVEMBER 14

1:00pm **Conference Opening and Welcome**—Salon A-D
Deirdre McGinley-Gieser, Senior Vice President for Programs, AICR
Steven K. Clinton, MD, PhD, The Ohio State University (Program Chair)

Opening Plenary Salon A-D

Energy Balance, Obesity and Physical Activity – Emerging Concepts and Strategies for Intervention

Chair: Cheryl L. Rock, PhD, RD, University of California, San Diego, San Diego, CA

1:15pm Introduction and overview
Cheryl L. Rock, PhD, RD

1:25pm *The challenge of weight loss maintenance: Energy homeostasis and the biology of body weight regulation*
Michael Rosenbaum, MD
Columbia University
New York, NY

2:00pm *The role of portion control in weight management*
Barbara J. Rolls, PhD
The Pennsylvania State University
University Park, PA

2:35pm **Break**—Grand Foyer A-D

3:00pm *How to optimize the effect of exercise in promoting weight loss and weight loss maintenance*
John Jakicic, PhD
University of Pittsburgh
Pittsburgh, PA

3:35pm *Alternate day fasting for weight loss and weight maintenance*
Krista A. Varady, PhD
University of Illinois at Chicago
Chicago, IL

4:10pm Panel Discussion
Cheryl L. Rock, PhD, RD

4:35pm **Recognition of Conference Scholarship Recipients**
Deirdre McGinley-Gieser, Senior Vice President for Programs, AICR

4:45pm Session ends

5:00pm–7:00pm **Poster Session I and Reception**—Salon G-H

TUESDAY, NOVEMBER 15

6:30am–8:15am **Continental Power Breakfast**—Grand Foyer A-D

Breakfast Session I Salon A-D

Dietary Supplements and Cancer Risk: What We Have Learned

Chair: Anne McTiernan, MD, PhD, Fred Hutchinson Cancer Research Center, Seattle, WA

7:00am Introduction and overview
Anne McTiernan, MD, PhD

7:10am *Dietary supplements and cancer risk*
Marian L. Neuhouser, PhD, RD
Fred Hutchinson Cancer Research Center
Seattle, WA

7:30am *Dietary supplements during cancer therapy and survivorship*
Johanna Dwyer, DSc, RD
NIH, Office of Dietary Supplements
Bethesda, MD

7:50am Panel discussion
Anne McTiernan, MD, PhD

8:15am Session ends

Split Session A White Oak A-B

Dietary Modulation of the Microbiome and Cancer Risk

Chair: Cindy D. Davis, PhD, Office of Dietary Supplements, National Institutes of Health, Bethesda, MD

8:45am Introduction and session overview
Cindy D. Davis, PhD

8:55am *Diet, the gut microbiome and cancer*
Johanna Lampe, PhD, RD
Fred Hutchinson Cancer Research Center
Seattle, WA

9:30am *The microbiome and obesity*
Vanessa Leone, PhD
University of Chicago
Chicago, IL

10:05am **Break**—Grand Foyer A-D

10:30am *The effect of exercise on the microbiome*
Corrie M. Whisner, PhD
Arizona State University
Phoenix, AZ

Program Schedule

11:05am *The microbiome and personalized nutrition*
Eran Elinav, MD, PhD
Weizmann Institute of Science,
Rehovot, Israel (participating through WebEx)

11:40am Panel discussion
Cindy D. Davis, PhD

12:00pm Session ends

Split Session B Brookside A-B

Nutrition After Cancer Diagnosis

Chair: Steven K. Clinton, MD, PhD, The Ohio State University, Columbus, OH

8:45am Introduction and overview
Steven K. Clinton, MD, PhD

8:55am *Integration of dietetics into oncology standards of care*
Suzanne Dixon, MPH, MS, RDN
The Health Geek, LLC
Portland, OR

9:30am *Diet, nutrition and therapeutic outcomes of cancer: A systematic evidence-based review*
Mary Platek, PhD, RD
Roswell Park Cancer Institute
Buffalo, NY

10:05am **Break**—Grand Foyer A-D

10:30am *Lifestyle, exercise, and dietary interventions in supportive care across the cancer control continuum*
Brian C. Focht, PhD, FACSM, CSCS
The Ohio State University
Columbus, OH

11:05am *Colon cancer prevention versus survival: Does the evidence agree?*
Edward Giovannucci, MD, ScD
Harvard T.H. Chan School of Public Health
Boston, MA

11:40am Panel discussion
Steven K. Clinton, MD, PhD

12:00pm Session ends

12:00pm-1:30pm **Tuesday Luncheon and Networking**—Salon A-D and Grand Foyer A-D

Program Schedule

Split Session C White Oak A-B

Mechanisms and Biomarkers in the –omics Era

Chair: Stephen D. Hursting, PhD, MPH, University of North Carolina at Chapel Hill, Chapel Hill, NC

- 1:30pm Introduction and overview
Stephen D. Hursting, PhD, MPH
- 1:45pm *Metabolomics: overview and applications for nutrition and cancer*
Steven C. Moore, PhD, MPH
National Cancer Institute
Rockville, MD
- 2:20pm *Integration of metabolomics and transcriptomics in human studies*
Cornelia Ulrich, PhD
Huntsman Cancer Institute, University of Utah
Salt Lake City, UT
- 2:55pm **Break**—Grand Foyer A-D
- 3:20pm *Bridging nutrition, metabolism, the microbiome, and cancer susceptibility*
Scott J. Bultman, PhD
University of North Carolina at Chapel Hill
Chapel Hill, NC
- 3:55pm *A framework for systematically reviewing mechanistic evidence on diet, nutrition, physical activity and cancer*
Sarah Lewis, PhD
University of Bristol
Bristol, UK
- 4:30pm Panel discussion
Stephen D. Hursting, PhD, MPH
- 4:45pm Session ends

Split Session D Brookside A-B

Social, Cultural and Economic Barriers to Cancer Prevention and Control

Chair: Wendy Demark-Wahnefried, PhD, RD, UAB Comprehensive Cancer Center, Birmingham, AL

- 1:30pm Introduction and overview
Wendy Demark-Wahnefried, PhD, RD
- 1:40pm *Healthy Children, Strong Families: primary cancer prevention in American Indian communities*
Alexandra Adams, MD, PhD
Montana State University
Bozeman, MT

Program Schedule

- 2:15pm *Embracing community engagement for health*
Kimlin Tam Ashing, PhD
City of Hope
Duarte, CA
- 2:50pm **Break**—Grand Foyer A-D
- 3:15pm *Diet and exercise interventions in the rural Deep South*
Monica L. Baskin, PhD
The University of Alabama at Birmingham
Birmingham, AL
- 3:50pm *Diet and physical activity interventions in underserved Latina breast cancer survivors*
Heather Greenlee, ND, PhD
Columbia University
New York, NY
- 4:25pm Panel discussion
Wendy Demark-Wahnefried, PhD, RD
- 4:45pm Session ends
- 5:00pm–7:00pm **Poster Session II and Reception**—Salon G-H

WEDNESDAY, NOVEMBER 16

- 6:30am–8:15am **Continental Power Breakfast**—Grand Foyer A-D
- 7:00am–8:15am Breakfast Split Sessions II and III
- Breakfast Session II** Salon A-D
- Food, Nutrition and Cancer Immunology: Etiology, Therapy and Survivorship**
Chair: Steven K. Clinton, MD, PhD, The Ohio State University, Columbus, OH
- 7:00am Introduction and overview
Steven K. Clinton, MD, PhD
- 7:10am *Diet, inflammation and cancer prevention*
James C. Fleet, PhD
Purdue University
West Lafayette, IN
AND
Gregory B. Lesinski, PhD, MPH
Emory University
Atlanta, GA
- 7:50am Panel discussion
- 8:15am Session ends

Program Schedule

Breakfast Session III Salon E

Dietary Patterns: Clarifying the Relationship between Diet and Cancer

Chair: Jill Reedy, PhD, MPH, RD, National Cancer Institute, Bethesda, MD

Co-chair: Stephanie M. George, PhD, MPH, MA, National Institutes of Health, Rockville, MD

- 7:00am Introduction and overview
Jill Reedy, PhD, MPH, RD
- 7:10am *Multidimensionality: capturing the complexity of diet*
Angela D. Liese, PhD, MPH, FAHA
University of South Carolina
Columbia, SC
- 7:35am *Dynamism: identifying key time periods for cancer control*
Susan M. Krebs-Smith, PhD, MPH
National Cancer Institute
Bethesda, MD
- 8:00am Panel discussion
Stephanie M. George, PhD, MPH, MA
- 8:15am Session ends

Closing Plenary Salon A-D

- 8:45am **Presentation of the John A. Milner poster awards**
John W. Erdman, Jr., PhD

Diet, Nutrition, Physical Activity and Cancer: Science and Translation for the Next 25 Years

Chair: Robert S. Chapkin, PhD, Texas A&M University, College Station, TX

- 9:00am Introduction and overview
Robert S. Chapkin, MSc, PhD
- 9:10am *The role of clinical trials in nutrition research*
Peter Greenwald, MD, DrPH
National Cancer Institute
Bethesda, MD
- 9:40am *Nutrition and cancer – what we know, what we don't know*
Walter C. Willett, MD, DrPH
Harvard T.H. Chan School of Public Health
Boston, MA
- 10:10am *Physical activity and cancer – what we know, what we don't know*
Leslie Bernstein, PhD
City of Hope
Duarte, CA
- 10:40am *Diet, nutrition, and cancer: Where do we go from here?*
Steven K. Clinton, MD, PhD
The Ohio State University
Columbus, OH
- 11:10am Panel Discussion

Program Schedule

Robert S. Chapkin, MSc, PhD

11:50am

Closing Remarks
Deirdre McGinley-Gieser, Senior Vice President for Programs, AICR

12:00pm

Conference closes