## Pre-Conference Workshops at Gillings School of Global Public Health

### Wednesday, May 15

**Pre-Conference Workshop A**  
**BLUE CROSS BLUE SHIELD AUDITORIUM, MICHAEL HOOKER RESEARCH CENTER**  
**Methods in Microbiome Research in 2019**  
Chair: Scott Bultman, PhD

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>9:30am</td>
<td><strong>Overview of Microbiome Methods and Approaches in Cancer Research</strong></td>
<td>Scott Bultman, PhD</td>
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<td>10:00am</td>
<td><strong>Sequencing and Computational Methods for Microbiome Research</strong></td>
<td>Jason Arnold, PhD</td>
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<td>10:30am</td>
<td><strong>Methods and Applications of Gnotobiotic Mouse Models for Microbiome Research</strong></td>
<td>Balfour Sartor, MD</td>
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<td>11:00am</td>
<td><strong>Break</strong></td>
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**Pre-Conference Workshop B**  
**BLUE CROSS BLUE SHIELD AUDITORIUM, MICHAEL HOOKER RESEARCH CENTER**  
**Methodological Approaches to Energy Balance, Metabolism and Cancer Research**  
Chair: Stephen Hursting, PhD, MPH

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<tr>
<th>Time</th>
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<tr>
<td>11:30am</td>
<td><strong>Integrating Pre-Clinical and Human Studies</strong></td>
<td>Stephen Hursting, PhD, MPH</td>
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<td>11:50am</td>
<td><strong>Mouse Models of Genetic Heterogeneity for Precision Nutrition Research</strong></td>
<td>Melissa VerHague, PhD</td>
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<td>12:10pm</td>
<td><strong>Eavesdropping on the Crosstalk Between Systemic Metabolism and Cancer Cell Intrinsic Metabolism</strong></td>
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<td>• Global Metabolomic Approaches—Delisha Stewart, PhD</td>
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<td>• Assessing Cellular Metabolic Responses to Nutrient Stress—Michael Coleman, PhD</td>
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<td>• Application of Single Cell Approaches—Shannon McDonell, MD/PhD student</td>
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<td></td>
<td>• Metabolic Reprogramming Interventions to Starve Cancer from the Outside and Inside—Alyssa Cozzo, PhD</td>
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Wednesday, May 15 (continued)

11:30am – 1:00pm  **Pre-Conference Workshop C**  
133 ROSENAU AUDITORIUM, ROSENAU HALL  
eHealth/mHealth Approaches to Weight Management and Physical Activity Promotion  
Co-Chairs: Deborah F. Tate, PhD and Carmina G. Valle, PhD, MPH

11:30am **Overview of eHealth/mHealth Approaches for Weight Management**  
Deborah F. Tate, PhD

11:50pm **Digital Interventions for Weight Management and Physical Activity Promotion in Cancer Survivors**  
Carmina G. Valle, PhD, MPH

12:10pm **Emerging Methods in eHealth / mHealth**  
• Recruitment Approaches Using Technology—Lindsey Horrell, PhD, MPH, RN  
• Monitoring and Promoting Engagement—Julianne Power, MS (PhD Student)  
• Building Just-in-Time Adaptive Interventions—Brooke T. Nezami, PhD, MA

1:00pm – 2:00pm **Lunch in Atrium (for Workshop registrants only)**  
Sponsored by The University of North Carolina at Chapel Hill Gillings School of Global Public Health

AICR Conference Schedule

3:00pm – 3:15pm **Conference Opening and Welcome**  
HILL BALLROOM  
Kelly B. Browning, CEO, American Institute for Cancer Research

3:15pm – 5:15pm **Opening Plenary Session**  
HILL BALLROOM  
Beyond the Blueprint—Diet, Obesity, Physical Activity and Cancer  
Co-Chairs: Stephen Hursting, PhD, MPH and Wendy Demark-Wahnefried, PhD, RD

3:15pm **Beyond the Blueprint—Past and Future Research in Diet, Obesity, Physical Activity and Cancer**  
Edward Giovannucci, MD, ScD

4:15pm **Keynote Address: Obesity, Metabolic Dysregulation and Cancer**  
HILL BALLROOM  
Michael Pollak, MD

5:15pm – 5:30pm **Break**

5:30pm – 7:30pm **Poster Session I (Cancer Risk and Prevention) and Reception**  
OLD WELL WING AND FRONT PORCH
Thursday, May 16

6:30am – 8:30am  Breakfast
FRONT PORCH
Breakfast sponsored by the California Walnut Commission

7:30am – 8:45am  Breakfast Session 1: Beyond BMI: New Data and New Technologies for Assessing Body Composition
HILL BALLROOM
Chair: Wendy Demark-Wahnefried, PhD, RD
7:30am  Beyond BMI: Bringing Body Composition into Oncology Practice
Elizabeth C. Feliciano, ScD
8:00am  D3 Creatine—A New Gold Standard for Body Composition?
William Evans, PhD
8:30am  Panel Discussion

7:30am – 8:45am  Breakfast Session 2: Cancer Prevention and Lifestyle Guidelines—Evidence to Action
CHANCELLOR’S BALLROOM WEST
Co-Chairs: Jill Reedy PhD, MPH, RD and June Stevens, PhD
7:30am  AICR/WCRF Cancer Prevention Recommendations—Navigating the Lifestyle Advice Landscape
Elisa Bandera, MD, PhD
8:00am  The AICR Blueprint—Living Recommendations in Real Life
Karen Collins, MS, RDN, CDN, FAND
8:30am  Panel Discussion

8:45am – 9:00am  Break

9:00am – 11:00am  Plenary Session 2: Mitigating Adverse Effects of Cancer and Its Treatment Through Diet, Exercise and Weight Management
HILL BALLROOM
Co-Chairs: Cynthia Thomson, PhD, RD and Kerri Winters-Stone, PhD
9:00am  Mitigating Adverse Effects of Cancer Treatment Through Exercise Interventions
Kristin Campbell, PhD
9:30am  Optimizing Cancer Treatment Efficacy and Patient Outcomes Through Exercise Interventions
Kerry Courneya, PhD
10:00am  Reducing Cancer Recurrence Risk and Mortality by Improving Diet and Weight Management
Cynthia Thomson PhD, RD
10:30am  Panel Discussion

11:00am – 11:15am  Break
## Thursday, May 16 (continued)

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<tr>
<td><strong>11:15am – 12:30pm</strong></td>
<td><strong>Split Session 1: Inflammatory and Immune-Related Mechanisms Underlying Lifestyle-Cancer Links</strong></td>
<td>HILL BALLROOM</td>
<td>Chair: Scott Bultman, PhD</td>
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<tr>
<td>11:15am</td>
<td><strong>Novel Cancer Prevention Strategies to Delineate Responses to Diet and Gut Microbial-Derived Bioactive Agents</strong></td>
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<td>Robert Chapkin, PhD</td>
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<td>11:45am</td>
<td><strong>Diet-Physical Activity Interactions, Immunomodulation and Cancer</strong></td>
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<td>Connie Rogers, PhD, MPH</td>
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<td>12:15pm</td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>11:15am – 12:30pm</strong></td>
<td><strong>Split Session 2: Dissemination and Implementation Science—Getting Americans Moving and Eating Better</strong></td>
<td>CHANCELLOR’S BALLROOM WEST</td>
<td>Co-Chairs: Wendy Demark-Wahnefried, PhD, RD and Kerri Winters-Stone, PhD</td>
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<td>11:15am</td>
<td><strong>Applying Implementation Science Across the Cancer Continuum</strong></td>
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<td>April Oh, PhD, MPH</td>
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<td>11:45am</td>
<td><strong>Dissemination and Implementation Science—Application to Physical Activity Interventions Among Cancer Survivors</strong></td>
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<td>Laura Rogers, PhD</td>
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<td>12:15pm</td>
<td><strong>Panel Discussion</strong></td>
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<td><strong>12:30pm – 2:00pm</strong></td>
<td><strong>Lunch</strong></td>
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<td><strong>2:00pm – 2:15pm</strong></td>
<td><strong>AICR Awards</strong></td>
<td>HILL BALLROOM</td>
<td>Kelly B. Browning, CEO, American Institute for Cancer Research</td>
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<td><strong>2:15pm – 5:00pm</strong></td>
<td><strong>Plenary Session 3: Obesity, Metabolism and Cancer—Integrating Systemic and Cell Intrinsic Signals</strong></td>
<td>HILL BALLROOM</td>
<td>Co-Chairs: Andrew Dannenberg, MD and Stephen Hursting, PhD, MPH</td>
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<td>2:15pm</td>
<td><strong>Obesity and Cancer: When Systemic Metabolism Meets Cancer Cell Metabolism</strong></td>
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<td>Stephen Hursting, PhD, MPH</td>
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<td>2:35pm</td>
<td><strong>Metabolic Obesity in Normal Weight Women—Impact on Breast Cancer Risk and Outcomes</strong></td>
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<td>Neil Iyengar, MD</td>
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<td>3:30pm</td>
<td><strong>Exercise as Medicine for Metabolic Dysregulation and Sarcopenic Obesity in Survivors of Breast Cancer</strong></td>
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<td>Christina Dieli-Conwright, PhD, MPH</td>
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<td>4:05pm</td>
<td><strong>Obesity, Metabolism and Cancer—Extending the Paradigm of Hormone-Dependent Cancer</strong></td>
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<td>Michael Pollak, MD</td>
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<td>4:20pm</td>
<td><strong>Panel Discussion (plus Cornelia Ulrich, PhD, MS)</strong></td>
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5:00pm – 5:30pm  Break

5:30pm – 7:30pm  Poster Session II (Cancer Outcomes and Surviorship) and Reception
OLD WELL WING AND FRONT PORCH

◆ Friday, May 17

6:30am – 8:30am  Breakfast
FRONT PORCH

7:30am – 8:45am  Breakfast Session 3: Trials and Errors—Study Design and Implementation Advice
CHANCELLOR’S BALLROOM WEST
Chair: Jennifer Ligibel, MD
• Weight Loss Interventions—Jennifer Ligibel, MD
• Dietary Interventions—Cynthia Thomson, PhD, RD
• Physical Activity Interventions—Kerri Winters-Stone, PhD
Short talks followed by panel discussion

7:30am – 8:45am  Breakfast Session 4: Impact of Adherence to AICR/WCRF Cancer Prevention Recommendations
HILL BALLROOM
Co-Chairs: Jill Reedy PhD, MPH, RD and Martin Wiseman, MD
7:30am  Impact of Adherence to Recommendations on Cancer Risk and Outcomes
Giota Mitrou, PhD
8:00am  Development and Application of WCRF/AICR Adherence Score
Marissa Shams-White, PhD, MPH
8:25am  Panel Discussion

8:45am – 9:00am  Break

9:00am – 11:00am  Closing Plenary: Three Years of Change and Progress—Convergence of Oncology with Lifestyle
HILL BALLROOM
Co-Chairs: Jennifer Ligibel, MD and Scott Bultman, PhD
9:00am  John Milner Poster Award
9:05am  Lifestyle Impact on Response to Immunotherapy Mediated Through the Microbiome
Carrie Daniel-MacDougall, PhD
9:35am  Manipulating the Microbiome to Reduce the Toxicity of Systemic Chemotherapy
Aadra Bhatt, PhD
10:05am  Enhancing Therapeutic Efficacy of PI3K Inhibitors Through Dietary Interventions
Benjamin Hopkins, PhD
10:35am  Panel Discussion
10:50am  Closing Remarks