

CONFERENCE PROGRAM

Saturday, January 27

5:30 p.m.-5:45 p.m.

WELCOME
Lone Star Salons A-C

5:45 p.m.-7:00 p.m.

PLENARY SESSION 1: GLOBAL OBESITY BURDEN
Lone Star Salons A-C
Session Chair: Elizabeth A. Platz, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

5:45 p.m.-6:15 p.m.

Interpreting literature evidence on obesity and cancer
Konstantinos K. Tsilidis, University of Ioannina School of Medicine, Ioannina, Greece

6:15 p.m.-6:45 p.m.

Global burden of cancer attributable to excess body weight
Andrew Renehan, University of Manchester, Manchester, United Kingdom

6:45 p.m.-7:00 p.m.

Estimating the current and future cancer burden attributable to obesity in Canada*
Darren Brenner, University of Calgary, Calgary, AB, Canada

7:00 p.m.-9:00 p.m.

OPENING RECEPTION
Lone Star Salon D

Sunday, January 28

7:00 a.m.-8:00 a.m.

CONTINENTAL BREAKFAST
Lone Star Foyer West

**Short talk from proffered abstract*

CONFERENCE PROGRAM

8:00 a.m.-9:45 a.m.	PLENARY SESSION 2: INSULIN AND GLYCEMIA: ROLES IN OBESITY AND CANCER Lone Star Salons A-C Session Chair: Michael N. Pollak , McGill University, Montreal, QC, Canada
8:00 a.m.-8:30 a.m.	Mechanisms of lipid-induced insulin resistance: Implications for obesity and cancer Gerald Shulman, Yale University, New Haven, CT
8:30 a.m.-9:00 a.m.	Insulin responsivity of cancer subsets Michael N. Pollak
9:00 a.m.-9:30 a.m.	Obesity, hyperglycemia, and prostate cancer in Black and White adults Corinne E. Joshu, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
9:30 a.m.-9:45 a.m.	Circumventing insulin feedback increases PI3K inhibitor efficacy* Benjamin Hopkins, Weill Cornell Medicine, New York, NY
9:45 a.m.-10:15 a.m.	COFFEE BREAK Lone Star Foyer West
10:15 a.m.-12:00 p.m.	PLENARY SESSION 3: INFLAMMATION AS A CONSEQUENCE OF OBESITY Lone Star Salons A-C Session Chair: Andrew J. Dannenberg , Weill Medical College of Cornell University, New York, NY
10:15 a.m.-10:45 a.m.	Breast adipose inflammation: A silent killer Andrew J. Dannenberg
10:45 a.m.-11:15 a.m.	Understanding the differential role of white and brown adipocytes in cancer: Depicting the mechanisms linking obesity and cancer Kelly Grace Magalhaes, University of Brasilia, Brasilia, Brazil
11:15 a.m.-11:30 a.m.	Metformin decreases obesity-associated macrophage infiltration and lymphangiogenesis in the tumor microenvironment in a rodent model of breast cancer* Erin Giles, Texas A&M University, College Station, TX
11:30 a.m.-11:45 a.m.	Reversing the procancer effects of obesity in a mouse model of colon cancer: Diet versus drug* Laura Bowers, University of North Carolina at Chapel Hill, Chapel Hill, NC
11:45 a.m.-12:00 p.m.	Obesity and breast cancer metastasis: The role of inflammation* Shannon McDonell, University of North Carolina at Chapel Hill, Chapel Hill, NC
12:00 p.m.-2:15 p.m.	POSTER SESSION A/LUNCH Lone Star Salon D

**Short talk from proffered abstract*

CONFERENCE PROGRAM

2:15 p.m.-4:15 p.m.	PLENARY SESSION 4: SITE-SPECIFIC CANCERS PART 1 Lone Star Salons A-C Session Chair: Lorelei Mucci , Harvard T.H. Chan School of Public Health, Boston, MA
2:15 p.m.-2:45 p.m.	Title to be announced Matthew G. Vander Heiden, David H. Koch Institute for Integrative Cancer Research at MIT, Cambridge, MA
2:45 p.m.-3:15 p.m.	Exploring mechanisms underlying the link between obesity and lethal prostate cancer Lorelei Mucci
3:15 p.m.-3:45 p.m.	Body weight and weight change over the life course and subsequent risk of breast cancer Susan E. Hankinson, University of Massachusetts Amherst, Amherst, MA
3:45 p.m.-4:00 p.m.	Body fat and risk of breast cancer in normal-size postmenopausal women* Neil Iyengar, Memorial Sloan Kettering Cancer Center, New York, NY
4:00 p.m.-4:15 p.m.	Obesity and metabolic syndrome correlate with poor oncologic outcome in prostate cancer patients who underwent radical prostatectomy* Arash Samiei, Allegheny Health Network, Department of Urology, Pittsburgh, PA
4:15 p.m.-4:45 p.m.	COFFEE BREAK Lone Star Foyer West
4:45 p.m.-6:00 p.m.	PLENARY SESSION 5: METABOLOMICS AND CANCER RISK Lone Star Salons A-C Session Chair: Ralph J. DeBerardinis , University of Texas Southwestern Medical Center, Dallas, TX
4:45 p.m.-5:15 p.m.	A metabolomics analysis of body mass index and postmenopausal breast cancer risk Steven C. Moore, National Cancer Institute, Bethesda, MD
5:15 p.m.-5:45 p.m.	Subtype-selective metabolic phenotypes in cancer Ralph J. DeBerardinis
5:45 p.m.-6:00 p.m.	Redox-active metabolites predict clinically relevant nonalcoholic fatty liver disease in the Multiethnic Cohort-Adiposity Phenotype Study (MEC-APS)* Bruce Kristal, Brigham and Women's Hospital and Harvard Medical School, Boston, MA
6:00 p.m.	DINNER ON OWN

**Short talk from proffered abstract*

CONFERENCE PROGRAM

Monday, January 29

7:00 a.m.-8:00 a.m.	CONTINENTAL BREAKFAST Lone Star Foyer West
8:00 a.m.-10:00 a.m.	PLENARY SESSION 6: SITE-SPECIFIC CANCERS PART 2 Lone Star Salons A-C Session Chair: Anna Mae Diehl , Duke University, Durham, NC
8:00 a.m.-8:30 a.m.	Obesity and liver cancer: From metabolic alterations to adaptive immunity Michael Karin, University of California San Diego, San Diego, CA
8:30 a.m.-9:00 a.m.	Primary liver cancer and NAFLD Anna Mae Diehl
9:00 a.m.-9:20 a.m.	Abdominal versus gluteofemoral obesity and risk of hepatocellular carcinoma and intrahepatic cholangiocarcinoma: The Liver Cancer Pooling Project* Jessica Petrick, National Cancer Institute, Bethesda, MD
9:20 a.m.-9:40 a.m.	Adipokines, visfatin and resistin, promote an invasive liver cancer phenotype* Candance Miethe, Texas State University, San Marcos, TX
9:40 a.m.-10:00 a.m.	Exploring mechanisms of obesity-driven pancreatic cancer progression in mice* Mandar Mazumdar, Yale University School of Medicine, New Haven, CT
10:00 a.m.-10:45 a.m.	COFFEE BREAK Lone Star Foyer West
10:45 a.m.-11:30 a.m.	PLENARY SESSION 7: SPOTLIGHT ON CIRCADIAN RHYTHMS IN THE DEVELOPMENT OF OBESITY Lone Star Salons A-C Session Chair: Elizabeth A. Platz , Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
10:45 a.m.-11:15 a.m.	Circadian disruption, insulin resistance, and cancer Neil E. Caporaso, National Cancer Institute, Bethesda, MD
11:15 a.m.-11:30 a.m.	Sleep duration and circadian components of the sleep/wake cycle and their association with body mass index and eating behaviors in children* Bernard Fuemmeler, Virginia Commonwealth University, Richmond, VA
11:30 a.m.-2:00 p.m.	LUNCH ON OWN/FREE TIME

**Short talk from proffered abstract*

CONFERENCE PROGRAM

- 2:00 p.m.-3:30 p.m.** **PLENARY SESSION 8: THE MICROBIOME IN OBESITY AND CANCER**
Lone Star Salons A-C
Session Chair: Rachel Jamison Perry, Yale Medical School, New Haven, CT
- 2:00 p.m.-2:30 p.m. **Uncoupling hepatic oxidative phosphorylation reduces tumor growth in a murine colon cancer model**
Rachel Jamison Perry
- 2:30 p.m.-3:00 p.m. **The microbiome and obesity control the tumor microenvironment in the liver and control antitumor immunity**
Tim F. Greten, National Cancer Institute, Bethesda, MD
- 3:00 p.m.-3:15 p.m. **Nonalcoholic fatty liver disease (NAFLD), an important risk factor for liver cancer, and links to the microbiome in the Multiethnic Cohort-Adiposity Phenotype Study (MEC-APS)***
Meredith Hullar, Fred Hutchinson Cancer Research Center, Seattle, WA
- 3:15 p.m.-3:30 p.m. **Shifts in gut microbiome populations induced by diet modulate obesity-mediated breast cancer risk***
Katherine Cook, Wake Forest University Health Science, Winston Salem, NC
- 3:30 p.m.-4:00 p.m.** **COFFEE BREAK**
Lone Star Foyer West
- 4:00 p.m.-5:00 p.m.** **KEYNOTE LECTURE**
Lone Star Salons A-C
Title to be announced
Jeffrey M. Friedman, The Rockefeller University, New York, NY
- 5:00 p.m.-7:30 p.m.** **POSTER SESSION B/RECEPTION**
Lone Star Salon D

**Short talk from proffered abstract*

CONFERENCE PROGRAM

Tuesday, January 30

- 7:00 a.m.-8:00 a.m.** **CONTINENTAL BREAKFAST**
Lone Star Foyer West
- 8:00 a.m.-9:45 a.m.** **PLENARY SESSION 9: INTERVENTIONS FOR PATIENTS UNDER STUDY**
Lone Star Salons A-C
Session Chair: Lewis C. Cantley, Weill Cornell Medical College, New York-Presbyterian Hospital, New York, NY
- 8:00 a.m.-8:30 a.m. **PI 3-Kinase links obesity, insulin resistance, and cancer**
Lewis C. Cantley
- 8:30 a.m.-9:00 a.m. **Title to be announced**
Kathryn H. Schmitz, Penn State Cancer Institute, Hershey, PA
- 9:00 a.m.-9:30 a.m. **Promoting weight loss in the presurgical setting: What happens to the tumor and the host?**
Wendy Demark-Wahnefried, University of Alabama Comprehensive Cancer Center, Birmingham, AL
- 9:30 a.m.-9:45 a.m. **Effects of aerobic and resistance exercise on sarcopenic obesity in overweight or obese breast cancer survivors: A randomized controlled trial***
Christina Dieli-Conwright, University of Southern California, Los Angeles, CA
- 9:45 a.m.-10:15 a.m.** **COFFEE BREAK**
Lone Star Foyer West
- 10:15 a.m.-12:00 p.m.** **PANEL DISCUSSION: PREVENTION OF OBESITY-RELATED CANCER AT POPULATION LEVEL**
Lone Star Salons A-C
Facilitator: Elizabeth A. Platz, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Graham A. Colditz, Washington University in St. Louis, St. Louis, MO

Gary Taubes, American Science, New York, NY

Stephen D. Hursting, University of North Carolina at Chapel Hill, Chapel Hill, NC

Bruce Y. Lee, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Elizabeth A. Platz
- 12:00 p.m.** **CLOSING REMARKS/DEPARTURE**
Lone Star Salons A-C

**Short talk from proffered abstract*