

14th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved

October 6-8, 2021
Virtual Meeting

Chairpersons:

Melissa B. Davis, Weill Cornell Medicine, New York, NY
Tamara L. Lotan, Johns Hopkins University School of Medicine, Baltimore, MD
Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA
Jose G. Trevino, Virginia Commonwealth University, Richmond, VA

Program Committee:

Stefan Ambs, National Cancer Institute, Bethesda, MD
Nadine J. Barrett, Duke Cancer Institute, Durham, NC
Graham A. Colditz, Washington University School of Medicine, Saint Louis, MO
Patricia Doykos, Bristol Myers Squibb, Titusville, NJ
Jesse Ehrenfeld, Medical College of Wisconsin, Milwaukee, WI
Thomas J. Fuchs, Icahn School of Medicine at Mount Sinai, New York, NY
Loriana Hernandez-Aldama, ArmorUp for LIFE, Atlanta, GA
Salma Kaochar, Baylor College of Medicine, Houston, TX
T. Peter Kingham, Memorial Sloan Kettering Cancer Center, New York, NY
Sarah H. Nash, University of Iowa College of Public Health, Iowa City, IA
Valerie Odero-Marah, Morgan State University, Baltimore, MD
Olorunseun O. Ogunwobi, Hunter College, New York, NY
Sandi L. Pruitt, UT Southwestern Medical Center, Dallas, TX
Dorothy A. Rhoades, Stephenson Cancer Center, Oklahoma City, OK
Sanya A. Springfield, NCI-CRCHD, Rockville, MD
Jennifer Tsui, Keck School of Medicine at USC, Los Angeles, CA
Tiffany A. Wallace, NCI-CRCHD, Rockville, MD
Jovanny Zabaleta, LSU Health New Orleans, New Orleans, LA
Whitney E. Zahnd, University of Iowa College of Public Health, Iowa City, IA

ALL TIMES LISTED ARE US EASTERN TIME (ET).

Wednesday, October 6, 2021

Welcome and Opening Session

10:00 a.m.-12:00 p.m.

Welcome

Melissa B. Davis, Weill Cornell Medicine, New York, NY
Tamara L. Lotan, Johns Hopkins University School of Medicine, Baltimore, MD
Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA
Jose G. Trevino, Virginia Commonwealth University, Richmond, VA

Keynote Address

Health disparity research: The new frontier of research

Robert A. Winn, VCU Massey Cancer Center, Richmond, VA

Advocate Keynote

The state of possible

Loriana Hernandez-Aldama, ArmorUp for LIFE, Atlanta, GA

AACR Distinguished Lecturer

Making progress, together: An inclusive, broad-based approach to reducing excess burden of breast cancer among African American women in St. Louis with lessons for national implementation

Graham A. Colditz, Washington University School of Medicine, St. Louis, MO

Break

12:00-12:15 p.m.

Concurrent Sessions 1 & 2

12:15 - 1:45 p.m.

Concurrent Session 1: Artificial Intelligence for the New Frontier of Cancer Health Disparities Research

Session Chairs:

Thomas J. Fuchs, Icahn School of Medicine at Mount Sinai, New York, NY

Gretchen P. Jackson, IBM Watson Health, Franklin, TN

Leveraging the potential of artificial and machine learning technologies to address cancer health disparities

Irene Dankwa-Mullan, IBM Watson Health, Bethesda, MD

Artificial intelligence and digital diagnostics for cervical cancer screening in resource-limited settings

Johan E. Lundin, University of Helsinki, Helsinki, Finland

Challenges and opportunities in using AI to improve healthcare for the underserved

Amit Sethi, Indian Institute of Technology Bombay, Mumbai, India

Panel Discussion

Concurrent Session 2: Cancer Health Disparities in Individuals of Latin American Descent

Session Chair: Laura Fejerman, UC Davis Comprehensive Cancer Center, Davis, CA

Genetic ancestry and lung cancer somatic mutations in patients of Latin American descent: Etiology and treatment implications

Matthew L. Meyerson, Dana-Farber Cancer Institute, Boston, MA

Cervical cancer in U.S. Hispanic/Latino populations: Addressing multilevel/multidimensional determinants to eliminate a preventable disparity

Ana Patricia Ortiz, University of Puerto Rico Comprehensive Cancer Center San Juan, Puerto Rico

Liver cancer and differences across Hispanic groups: Importance of disaggregation in understanding cancer disparities

Paulo S. Pinheiro, University of Miami Sylvester Comprehensive Cancer Center, Miami, FL

Panel Discussion

Break

1:45-2:00 p.m.

Concurrent Sessions 3 & 4

2:00- 3:30 p.m.

Concurrent Session 3: Developing Research Tools for Cancer Health Disparities

Session Chairs:

Kevin L. Gardner, Vagelos College of Physicians and Surgeons at Columbia University, New York, NY

Charles M. Perou, UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC

Assembling patient-derived models (PDXs) in minority populations

Luis G. Carvajal-Carmona , University of California, Davis, Davis, CA

Practical issues and considerations in setting up a biobank

Hanina Hibshoosh, Columbia University, New York, NY

Building organ-specific biobanks in Nigeria: Challenges, benefits, and success strategies

Olusegun Isaac Alatise, Obafemi Awolowo University, Ile Ife, Nigeria

Panel Discussion

Concurrent Session 4: LGBTQ+ Cancer Health Disparities

Session Chair: Jesse Ehrenfeld, Medical College of Wisconsin, Milwaukee, WI

Using large, prospective cohort data to elucidate sexual orientation-related cancer disparities

Brittany M. Charlton, Harvard Medical School, Boston, MA

Findings from Out: The National Cancer Survey

Scout, National LGBT Cancer Network, Providence, RI

Sex hormones and anal cancer precursor conditions

Dorothy J. Wiley, UCLA School of Nursing, Los Angeles, CA

Panel Discussion

Break

3:30-3:45 p.m.

Concurrent Sessions 5 & 6

3:45- 5:15 p.m.

Concurrent Session 5: Advancing Cancer Health Disparities Research Globally

Session Chair: James R. Alaro, National Cancer Institute, Rockville, MD

Global cancer health disparities: A definition proposed by NCI

James R. Alaro, National Cancer Institute, Rockville, MD

Why study cancer health disparities globally: US and global perspectives

Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA

Understanding global cancer health disparities: A systems thinking approach

Peter S. Hovmand, Case Western Reserve University, Cleveland, OH

Panel Discussion:

Facilitator: Satish Gopal, National Cancer Institute, Rockville, MD

Panelists:

Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA

Peter S. Hovmand, Case Western Reserve University, Cleveland, OH

CS Pramesh, Tata Memorial Hospital, Mumbai, India

Martin Lajous, Instituto Nacional de Salud Pública, Ciudad de Mexico, Mexico

Concurrent Session 6: Heterogeneity Within the Asian and Pacific Islander Diaspora: Focusing on Diversity to Understand Cancer Determinants

Session Chairs:

Scarlett L. Gomez, University of California San Francisco, San Francisco, CA

Grace X. Ma, Temple University, Philadelphia, PA

Cancer in Asian American, Native Hawaiians, Pacific Islanders: Epidemiology and sociodemographics overview

Scarlett L. Gomez, University of California San Francisco, San Francisco, CA

The opportunities and challenges of integrating population histories into genetic studies for diverse populations

Charleston Chiang, University of Southern California, Los Angeles, CA

Applying a data integrative and convergence epidemiology approach to study multilevel risk factors for cancer in distinct AANHPI populations

Mindy DeRouen, University of California San Francisco, San Francisco, CA

A multilevel framework for reducing cancer risk in diverse Asian American populations

Carolyn Fang, Fox Chase Cancer Center, Cheltenham, PA

Panel Discussion

Thursday, October 7, 2021

Addressing Advocacy at the Bench

8:30 – 9:30 a.m.

The Centers for Disease Control (CDC) and Prevention recommends that everyone 12 years and older get a COVID-19 vaccine. That includes most people with underlying medical conditions, including cancer. To date, there are over 80 million Americans who have not been vaccinated. The reasons are numerous, but the leading explanation is mistrust in the vaccine and concern about its long-term effects. This session will address the topic of mistrust of health care providers or systems among underrepresented communities, who are more likely to get seriously ill and die from COVID-19, but hesitant to take the coronavirus vaccine; and highlight ways patient advocates are engaging their communities and building trust in the vaccine. Highlighted programs focused on improving communications, increasing education, creating welcoming environments, and addressing barriers to access.

Plenary Session 1: Addressing Unconscious and Implicit Bias in Clinical Cancer Research and Healthcare

10:00 -11:30 a.m.

TRACK A

Session Chairs:

Lauren M. Hamel, Wayne State University School of Medicine, Detroit, MI

Vetta L. Sanders Thompson, Washington University in St. Louis, St. Louis, MO

Addressing implicit bias in clinical trial enrollment and faculty hiring

Lorna H. McNeill, UT MD Anderson Cancer Center, Pearland, TX

Implicit bias in oncology: Towards a more inclusive workforce

Jessica W. Tsai, Dana-Farber Cancer Institute, Boston, MA

Bias and stereotyping in recruiting for cancer clinical trials

Soumya J. Niranjani, University of Alabama at Birmingham, Birmingham, AL

Panel Discussion

Break

11:30-11:45 a.m.

Concurrent Sessions 7 & 8

11:45 a.m.- 1:15 p.m.

Concurrent Session 7: Cancer Health Disparities Exposome: From the Zip Code to Genetic Code

TRACK A

Session Chairs:

Samson Gebreab, National Institutes of Health, Rockville, MD

Sandra L. San Miguel, NCI-CRCHD, Bethesda, MD

The exposome: A systematic analysis of the environmental drivers of cancer health disparities

Gary W. Miller, Columbia University, New York, NY

Uncovering exposome-phenome associations from zip codes to molecules

Chirag J. Patel, Harvard Medical School, Boston, MA

Exposomics in precision medicine and precision prevention: The time is now!

Rosalind J. Wright, Icahn School of Medicine at Mount Sinai, New York, NY

Liver cancer in the context of DOHAD: The role of imprinting dysregulation

Cathrine Hoyo, North Carolina State University, Raleigh, NC

Panel Discussion

Concurrent Session 8: Cancer Health Disparities in the African American/Black Community and the African Diaspora

TRACK B

Session Chairs:

Sophia H. I. George, University of Miami Sylvester Comprehensive Cancer Center, Miami, FL

Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA

The landscape of endometrial cancer in women of African descent

Matthew Schlumbrecht, Sylvester Comprehensive Cancer Center, Miami, FL

Racial disparities in colon cancer: Epigenetics and the microbiome

Carmen Sapienza, Lewis Katz School of Medicine Temple University, Philadelphia, PA

HIV, anal cancer, and anal cancer screening in Black sub-populations in Miami

Patricia Paule Jeudin, University of Miami Sylvester Comprehensive Cancer Center, Miami, FL

Panel Discussion

Break

1:15-1:30 p.m.

Concurrent Sessions 9 & 10

1:30- 3:00 p.m.

Concurrent Session 9: Impact of Comorbidities on Cancer Biology and Survivorship

TRACK A

Session Chairs:

Adana A. M. Llanos-Wilson, Mailman School of Public Health, Columbia University, New York, NY

Julie R. Palmer, Boston University, Boston, MA

Plasma exosomes as drivers of prostate cancer progression in men with comorbid metabolic disease

Gerald V. Denis, Boston University School of Medicine, Boston, MA

Obesity and neighborhood redlining: Potential synergism in understanding breast cancer mortality disparities

Lauren E. McCullough, Emory University Rollins School of Public Health, Atlanta, GA

Fragmentation of care among Black women who have breast cancer and multiple comorbidities

Michelle Doose, National Cancer Institute, Rockville, MD

Panel Discussion

Concurrent Session 10: Addressing Cancer Health Disparities among Indigenous Communities

TRACK B

Session Chair: Nadine R. Caron, The University of Northern British Columbia, Prince George, BC, Canada

Addressing cancer health disparities among Indigenous communities in Australia

Gail Garvey, University of Queensland, Brisbane, QLD, Australia

Māori Cancer Leadership Aotearoa New Zealand

Nina Scott, Waikato DHB, Hamilton, New Zealand

Myra Ruka, Waikato DHB, Hamilton, New Zealand

Moahua Goza, Hei Āhuru Mōwai Maori Cancer Leadership Aotearoa, Hamilton, New Zealand

BC's joint Indigenous cancer strategy: A history and background

Warren Clarmont, BC Cancer, Victoria, BC, Canada

Kevin Linn, Harvard University, Boston, MA

Panel Discussion

Break

3:00-3:15 p.m.

Hot Topics in Cancer Health Disparities 1 & 2

3:15- 5:00 p.m.

Hot Topics in Cancer Health Disparities 1

TRACK A

Session Chair: Salma Kaochar, Baylor College of Medicine, Houston, TX

Association of Affordable Care Act Medicaid expansions with healthcare access and utilization among people who smoke

Priti Bandi, American Cancer Society, Atlanta, GA

Characterization of pseudogene expression and immune infiltration in breast cancer subtypes for African American and Caucasian patients

Eric W. Li, Lakeside School, Seattle, WA

Neighborhood-level redlining-associated methylation in breast tumors: The impact of structural racism on the tumor epigenome

Jasmine M. Miller-Kleinhenz, Emory University, Atlanta, GA

Association of HER2/GRB7 co-expression with Indigenous American ancestry and breast cancer clinical-pathological features

Laura Rey Vargas, Instituto Nacional de Cancerología, Bogotá D.C, Columbia

Worsening disparities of racial minority participation in phase 1 early drug development trials in the United States, 2001-2018

Hayley M. Dunlop, The Ohio State University College of Medicine, Columbus, OH

Examining disparities in incidence of colorectal cancer by race, ethnicity, sex, and site

Andrea Joyce M. Malabay, The University of Texas - MD Anderson Cancer Center, Houston, TX

Efficacy and safety of darolutamide in Black/African American patients from the phase III ARAMIS trial

Neal Shore, Carolina Urologic Research Center, Myrtle Beach, SC

Hot Topics in Cancer Health Disparities 2

TRACK B

Session Chair: Khadijah A. Mitchell, Lafayette College, Easton, PA

Diabetes affects metabolism, redox signaling, DNA repair capacity and mutational burden in breast cancer

Gatikrushna Panigrahi, National Cancer Institute, Bethesda, MD

Eligibility criteria perpetuate disparities in enrollment and participation in pancreatic cancer clinical trials

Andrea N. Riner, University of Florida, Gainesville, FL

Tracking a decade of trends in human papillomavirus (HPV) vaccine hesitancy in the United States

Eric Adjei Boakye, Southern Illinois University School of Medicine, Springfield, IL

Blood levels of TNFRSF9 and PTN predict lethal prostate cancer among African American men

Tsion Zewdu Minas, National Cancer Institute, Bethesda, MD

Novel targeted combination therapy to reduce health disparity in high-risk B-cell acute lymphoblastic leukemia in Hispanic/Latino children

Sinisa Dovat, Penn State University College of Medicine, Hershey, PA

Potential effect on racial/ethnic disparities of removing racial/ethnic variables from risk models: The example of lung-cancer screening

Corey D. Young, Morehouse School of Medicine, Atlanta, GA

MICR Professional Advancement Session: [Why should I hire you and why should I retain you](#)

5:00-6:30 p.m.

Moderators:

John D. Carpten, Keck School of Medicine at USC, Los Angeles, CA

Sanya A. Springfield, NCI-CHCRD, Rockville, MD

Keynote Speaker:

Victoria L. Seewaldt, City of Hope Beckman Research Institute, Duarte, CA

Panelists:

Tom Misteli, National Cancer Institute Center for Cancer Research, Bethesda, MD

Rubin A. Mesa, Mays Cancer Center, San Antonio, TX

Friday, October 8, 2021

Concurrent Sessions 11 & 12

10:00- 11:30 a.m.

Concurrent Session 11: Pancreatic Cancer and Liver Cancer

TRACK A

Session Chairs:

Lewis R. Roberts, Mayo Clinic College of Medicine and Science, Rochester, MN

Adetunji T. Toriola, Washington University School of Medicine, St. Louis, MO

***CDKN2A* germline rare coding variants and risk of pancreatic cancer in minority populations**

Robert R. McWilliams, Mayo Clinic of Medicine and Science, Rochester, MN

Molecular features contributing to liver carcinogenesis in the Hispanic population

LuZhe Sun, UT Health Science Center at San Antonio, San Antonio, TX

A pancreatic cancer multidisciplinary clinic reduces socioeconomic disparities in treatment and improves survival

Amer H. Zureikat, University of Pittsburgh Medical Center, Pittsburgh, PA

Designing individual-level and structural interventions to reduce and eliminate racial disparities in liver cancer

Patricia D. Jones, University of Miami Miller School of Medicine, Miami, FL

Panel Discussion

Concurrent Session 12: Lessons from COVID-19: The Future of Digital Health and Reducing Cancer Disparities

TRACK B

Session Chairs:

Vivian J. Bea, Weill Cornell Medicine, New York, NY

Gezzer Ortega, Brigham and Women's Hospital, Boston, MA

Examining clinical trial enrollment, telemedicine, and patient reported outcomes in the COVID-19 era

Oluwadamilola Fayanju, University of Pennsylvania, Philadelphia, PA

Approaching cancer genetic testing and telehealth via health equity lens

Kathie-Ann Joseph, NYU Langone Health, New York, NY

Striving for digital health equity

Jorge A. Rodriguez, Brigham and Women's Hospital, Boston, MA

Panel Discussion

Break

11:30-11:45 a.m.

Concurrent Sessions 13 & Hot Topics in Cancer Health Disparities 3

11:45 a.m.- 1:15 p.m.

Concurrent Session 13: Impact of Revised Lung and Colorectal Cancer Screening Guidelines in Minority and Native American Communities

TRACK A

Session Chair: Dorothy A. Rhoades, Stephenson Cancer Center, Oklahoma City, OK

Disparities in screening for lung cancer: It's not so black and white

Gerard A. Silvestri, Medical University of South Carolina, Charleston, SC

Lung and colorectal cancer disparities among American Indian and Alaskan Native (AI/AN) populations: A brief overview

Dorothy A. Rhoades, Stephenson Cancer Center, Oklahoma City, OK

Facilitators and barriers to implementing low-dose CT screening for lung cancer in a tribal health system

Zsolt J. Nagykáldi, University of Oklahoma Health Sciences Center, Oklahoma City, OK

Improving colorectal cancer screening in American Indian and Alaska Native patients

Mark P. Doescher, Stephenson Cancer Center, Oklahoma City, OK

Panel Discussion

Hot Topics in Cancer Health Disparities 3

TRACK B

Session Chair: Ewan K. Cobran, University of Georgia College of Pharmacy, Athens, GA

A synergy between the vaginal microbiome and HPV may have explanatory value for racial disparities in risk of pre-cervical cancer

Katherine Y. Tossas, Virginia Commonwealth University, Midlothian, VA

Disaggregating Asian American and Pacific Islanders unmasks disparities in survival, time-to-surgery, and surgery-to-radiation intervals among women with Stage I-III breast cancer: An NCDB analysis from 2004-2016

Kekoa Tapparra, Stanford Health Care, Stanford, CA

Serum prostate-specific antigen levels and prostate cancer risk in a multiethnic population

Alisha Chou, Keck School of Medicine University of Southern California, Los Angeles, CA

The role of HMGA2 and CLK3 in prostate cancer health disparities

Taaliah Campbell, Clark Atlanta University, Atlanta, GA

Risk prediction model for high-grade squamous intraepithelial lesions in persons living with HIV in Puerto Rico

Marievelisse Soto-Salgado, University of Puerto Rico Medical Sciences Campus, San Juan, Puerto Rico

Impact of a cancer health education curriculum among Milwaukee public high school students

Abigail Kerschner, Medical College of Wisconsin, Wauwatosa, WI

Break

1:15-1:30 p.m.

Plenary Session 2: Forum on Clinical Trial Participation and Underrepresented Populations: Overcoming Barriers and Finding Solutions

TRACK A

1:30- 3:00 p.m.

Session Chairs:

Bettina F. Drake, Washington University Siteman Cancer Center, St. Louis, MO

Jose G. Trevino, Virginia Commonwealth University, Richmond, VA

If not now, then when? Tackling barriers to clinical trials to ensure inclusion of underrepresented minorities

Vanessa B. Sheppard, VCU Massey Cancer Center, Richmond, VA

Improving access to research among individuals from under-represented racial and ethnic minority communities: The Strengthening Research in Diverse Enrollment (STRIDE) study

Stephenie C. Lemon, University of Massachusetts Medical School, Shrewsbury, MA

A multi-pronged approach to driving diversity in clinical trials: Bristol Myers Squibb and the Bristol Myers Squibb Foundation

Patricia Doykos, Bristol Myers Squibb, Titusville, NJ

Cultural humility in practice: Promoting an inclusive environment for those we serve

Gary L. Ferguson, Washington State University, Seattle, WA

TBD

Edith P. Mitchell, Jefferson Health Sidney Kimmel Cancer Center, Philadelphia, PA

Panel Discussion

3:00 – 3:15 p.m.

Closing Remarks

Melissa B. Davis, Weill Cornell Medicine, New York, NY

Tamara L. Lotan, Johns Hopkins University School of Medicine, Baltimore, MD

Camille C. R. Ragin, Fox Chase Cancer Center, Philadelphia, PA

Jose G. Trevino, Virginia Commonwealth University, Richmond, VA