

The Cancer Prevention Research Conference

3–5 June, Atlanta, US

PROGRAM

Wednesday 3 June

07:30	Registration Opens
08:00–09:15	Breakfast, networking, and poster set-up
09:15 – 09:25	Welcome from the partners Shane Jacobson, CEO, American Cancer Society Catherine Elliott, Director of Research and Partnerships, Cancer Research UK
09:25–09:30	Programmatic Welcome Andrew Chan, Massachusetts General Hospital Cancer Center
09:30–10:15	Keynote address Speaker: Christina Curtis, Stanford University <i>Genomic, host and microenvironmental determinants of malignancy: from initiation to interception</i>
10:15 – 10:30	Coffee Break
10:30 – 12:15	The role of AI in cancer prevention <i>How can AI help us prevent cancer before it starts? This session explores how advanced analytics and multimodal data are transforming risk prediction, uncovering early biological change, identifying new intervention targets, and accelerating prevention-focused drug discovery to enable smarter, more effective prevention strategies</i> Co-chairs: Suzette Delaloge, Institut Gustave Roussy Chris Sander, Harvard University Speakers (in order): Trevor Graham– The Institute of Cancer Research <i>Mathematical modelling and ML to learn the biology of precancer to enable prevention</i> Jiang Bian, Indiana University <i>Real-world data and AI for Cancer Prevention</i>

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	Adam Yala, UC Berkely <i>Scaling AI for personalized cancer care</i>
12:15–12:35	Emerging researchers' flash talks: The role of AI in cancer prevention Gai Baowen, Harvard T.H. Chan School of Public Health <i>A causal machine learning-based assessment of dietary pattern for colorectal cancer prevention</i> Asif Khan, Harvard Medical School <i>Identifying Cancer Risk Before Diagnosis Through Multi-Cancer EHR-Based Prediction for Earlier Prevention and Detection</i> Abigail Connor, University of Leeds <i>The pre-clinical development of an AI-informed peptide vaccine for the prevention of liver cancer in at-risk populations</i>
12:35 – 14:00	Lunch
14:00 – 15:45	Cancer risk from early biology to population impact This session is co-sponsored by World Cancer Research Fund International and the American Institute for Cancer Research. <i>How can we prevent cancer across the lifecourse? This session explores how insights from early biology to population-level patterns are uncovering where risk emerges, revealing new prevention opportunities, and guiding smarter, more effective strategies.</i> Sponsor Introduction: Giota Mitrou, American Institute for Cancer Research/World Cancer Research Fund International Co-chairs: Joanne Lysaght, Trinity College Dublin Mingyang Song, Harvard University Speakers (in order): Jennifer Lyn Baker, Copenhagen University Hospital <i>Early life body size and cancer</i> Emily Balskus, Harvard University

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	<i>Deciphering the gut microbiome's role in cancer with chemistry</i> Nicholas Timpson, University of Bristol <i>Coordinated use of life course and population-based data to better understand risks and opportunities for cancer outcomes</i>
15:45 – 16:05	Emerging researchers' flash talks: Cancer risk from early biology to population impact Alvina Adimoelja, Stanford University <i>Reconstructing the evolutionary origins of Barrett's Esophagus through spatially-informed single-crypt phylogenetics</i> Mike Coleman, University of North Carolina at Chapel Hill <i>Tirzepatide Intercepts Obesity-Associated Cancers via Metabolic and Immune Reprogramming, with Diminished Efficacy in Advanced Age</i> Carol Leung, University of Oxford <i>Precision Prevention of Lung Cancer: "ChAdOx2-LungVax Induces Durable Cytotoxic T-Cell Immunity and Tumour Protection in Preclinical Models</i>
16:05–16:30	Closing remarks and award presentation for 'Outstanding Achievement in Cancer Prevention Research'
16:30 – 17:30	Networking reception and poster session
18:30–21:00	Trainee dinner <i>A networking dinner designed to connect early-career researchers (PhD students and postdocs) with their peers and senior leaders in the field, including session leads, speakers, and members of our scientific committee.</i>

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08:00–08:50	Light Breakfast
08:50 – 09:00	Opening remarks Kwee Yong, UCL Cancer Institute, University College London
09:00 – 09:50	Panel discussion: Discovery to market – entrepreneurship in cancer prevention <i>How can entrepreneurship drive cancer prevention forward? This panel brings together academic founders and industry leaders to explore how collaboration can translate prevention science into scalable and profitable ventures, highlighting practical lessons, shared challenges, and new opportunities for impact.</i> Moderator: Avi Spira, Boston University Panelists: Sarah Blagden, University of Oxford Francis Chan, The Chinese University of Hong Kong Luis Diaz, Memorial Sloan Kettering Cancer Center Graham Colditz, Washington University in St. Louis
09:50 – 10:00	Poster Pitches Stephanie May, CRUK Scotland Institute Claudia Diella, Women's College Hospital Jade Dorrian, Queen's University Belfast Zakirah Abdul-Hameed, Morehouse School of Medicine Zebenay Bitew, University of Bristol
10:00 – 10:30	Coffee Break
10:30 – 12:15	Clonal hematopoiesis and cancer risk – implications for prevention <i>How can hidden clones reveal early cancer risk? This session explores clonal haematopoiesis of indeterminate potential, highlighting strategies to identify, understand, and intervene on these early risk states, drawing lessons from population studies, translational research, and chronic disease prevention to inform primary cancer prevention.</i>

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	Co-chairs: Zoe McQuilten, Monash University Siddhartha Jaiswal, Stanford University Speakers: Kristina Kirschner, Mayo Clinic <i>Age-related Clonal Evolution and Mechanisms to Blood Cancer Prevention</i> Alex Bick, Vanderbilt University <i>Understanding CHIP in Solid Tumors</i> Lachelle Weeks, Harvard University <i>Identifying Patients with High Risk Clonal Hematopoiesis and Defining Biological Endpoints for Early Intervention Clinical Trials</i>
12:15 – 12:35	Emerging researchers' flash talks: Clonal hematopoiesis and cancer risk: implications for prevention Jasmine Singh, Monash University <i>Differential effect of aspirin for cancer prevention in people with large CHIP</i> Shivani Kapadia, Winship Cancer Institute of Emory University <i>Clonal Hematopoiesis Promotes an Immunosuppressive State That Undermines Tumor Surveillance and Increases Cancer Risk</i> Josh Weinstock, Emory University <i>Genome-wide characterization of clonal hematopoiesis reveals extensive non-coding putative driver mutations</i>
12:35–13:45	Lunch
13:45–14:30	Structured networking session
14:30–15:30	Panel discussion: Engaging patients and public advocates to accelerate cancer prevention

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	<i>How can patients, the public, and advocates accelerate cancer prevention? This panel brings together experts to discuss their role in providing clinical need rationale, co-shaping research, and driving advocacy for meaningful impact.</i> <i>Moderator:</i> Talisia Quallo, Cancer Research UK <i>Speakers:</i> Nick English, patient advocate Diana Rose, FORCE Manju George, Paltown, Development Foundation/Colontown University Bep Sandhu, Thrive365
15:30–16:15	Keynote address Chair: Kwee Yong, UCL Cancer Institute, University College London Speaker: Charles Swanton, The Francis Crick Institute; University College London
16:15–16:20	Closing remarks Kwee Yong, UCL Cancer Institute, University College London
16:20–17:20	Networking drinks and poster session
18:30 – end	All attendee networking dinner

Friday 5 June

08:00–08:40	Light breakfast
08:40–08:50	Opening remarks Kala Visvanathan, Johns Hopkins University

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08:50–09:35	Panel discussion: Moving health equity research in cancer prevention forward <i>How can cancer prevention research become more equitable? This panel discussion will highlight approaches to reduce disparities, ensure inclusive study design, and translate evidence into interventions that reach everyone.</i> <i>Panel Moderator:</i> Otis Brawley, Johns Hopkins University <i>Panelists:</i> Mona Fouad, University of Alabama at Birmingham Hayden McRobbie, Queen Mary University of London
09:35–10:15	Debate session: Diagnosis and interception of precancers will save more lives than primary population prevention measures. <i>Moderator:</i> Paul Campbell, American Cancer Society <i>For the motion:</i> Ernest (Ernie) Hawk, MD Anderson Cancer Center <i>Against the motion:</i> David Hunter, Nuffield Department of Population Health, University of Oxford
10:15–10:40	Coffee Break

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10:40–12:25	Environment and cancer risk – insights for prevention <i>How do environmental exposures shape cancer risk, and how can we act on them? This session explores how advances in exposure science, epidemiology, and mechanistic research are uncovering environmental drivers of cancer and identifying actionable strategies to inform effective primary prevention</i> Co-chairs: Kari Nadeau, Harvard University Kevin Blyth, University of Glasgow Speakers: Isabelle Soerjomataram, International Agency for Research on Cancer <i>One Cancer Burden: Environmental Causes, Regional Variation, and Prevention</i> Nicola Ternette, University of Dundee <i>Antigen Presentation in Asbestos-Induced Disease: Emerging Roles for Non-Canonical Tumour-Specific Antigens</i> Melissa Bondy, Stanford University <i>Translating Environmental Carcinogenesis into Public Health and Regulatory Change</i>
12:25 – 12:45	Emerging researchers' flash talks: Environment and cancer risk – insights for prevention Sabrina Chow, Rollins School of Public Health, Emory University <i>Unraveling the metabolomic signatures linking air pollution to lung cancer: A large-scale high-throughput mediation analysis of human blood metabolome in the prospective Cancer Prevention Study cohorts</i> Youn Soo Jung, Harvard T.H. Chan School of Public Health <i>Wildfire Air Pollution Exposure and Head and Neck Cancer Incidence</i> Amber Hurson, National Cancer Institute <i>Radiotherapy-Associated Changes in Mammographic Breast Density in the Contralateral Breast: Implications for Surveillance and Prevention Among Breast Cancer Survivors</i>

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12:45 – 13:45	Lunch and Poster Break Down
13:45– 14:30	Fireside chat <i>Moderator:</i> Phil Castle, US National Cancer Institute <i>Speakers:</i> Andrew Chan, Massachusetts General Hospital Cancer Center Kala Visvanathan, John Hopkins Medicine Kwee Yong, University College London
14:30 – 15:15	Keynote address Conference Chair: Kala Visvanathan, Johns Hopkins University Keynote Speaker: Graham Colditz, Washington University in St. Louis <i>Precision prevention from association to risk prediction and FDA breakthrough device designation using AI</i>
15:15 – 15:30	Closing remarks and poster winner announcement