

**AACR 2025 Annual Meeting: Ludwig Community Presentation Sessions**

Session date	Session title	Session type	Presentation title	Ludwig location	Scientist name	Session time (U.S. CST)
4/25/2025	Multimodal Spatiotemporal Mapping of Cell States, Organization, and Interactions	Educational Session	High-resolution and noninvasive profiling of the tumor microenvironment with spatial ecotypes	Ludwig Stanford	Aaron Newman	3:30 PM
4/25/2025	Drug Repurposing in Oncology: Opportunities and Challenges	Educational Session	Repurposing drugs to overcome PARP inhibitor resistance	Ludwig Harvard	Alan D'Andrea	5:15 PM
4/26/2025	The Evolution of Cancer Hallmarks: Insights and Moving Forward	Educational Session	Circadian clock disruption: A hallmark of cancer.	Ludwig Institute	Chi Van Dang	8:30 AM
4/26/2025	Tumor Metabolism and the Tumor Microenvironment	Educational Session	Chairperson/Chair Introduction/What is there to eat around here? How metabolic constraints in the tumor microenvironment impact cancer biology	Ludwig Chicago	Alexander Muir	10:00 AM
4/26/2025	Myeloid Cell Biology in the Tumor Microenvironment and Reprogramming Myeloid Cells to Enhance Anti-tumor Immune Responses	Educational Session	Unraveling the complexities of tumor associated macrophages for anti-cancer therapy	Ludwig Harvard	Jennifer Guerriero	1:00 PM
4/26/2025	Ex Vivo Models of the TME	Educational Session	Chairperson/Chair Introduction/Title to be announced	Ludwig Stanford	Calvin Kuo	2:30 PM
4/26/2025	Artificial Intelligence in Cancer Immunology	Educational Session	Chairperson/Chair Introduction/Data science, machine learning, and artificial intelligence in cancer immunology	Ludwig Harvard	Franziska Michor	2:30 PM
4/26/2025	Ex Vivo Models of the TME	Educational Session	High resolution dynamic ex vivo profiling of the immune TME	Ludwig Harvard	David Barbie	3:00 PM
4/26/2025	Discovery Science Plenary: Novel Mechanisms Influencing Cancer Evolution	Plenary Session	Simultaneous perturbation of epigenetic and signaling pathways rewires transcription and synergistically induce AML differentiation	Ludwig Oxford	Yang Shi	5:14 PM
4/27/2025	Opening Plenary: Unifying Cancer Science and Medicine—A Continuum of Innovation for Impact	Plenary Session	Chairperson/Introduction	Ludwig MIT	Matthew Vander Heiden	9:30 AM
4/27/2025	Opening Plenary: Unifying Cancer Science and Medicine—A Continuum of Innovation for Impact	Plenary Session	Unraveling the complexity of cancer ecosystems	Ludwig Lausanne	Johanna Joyce	10:34 AM
4/27/2025	Pezcoller Foundation-AACR International Award for Extraordinary Achievement in Cancer Research	Awards and Lectures	Illuminating and reprogramming the immuno-evasive tumor microenvironment to enable immunotherapy	Ludwig Lausanne	Douglas Hanahan	12:10 PM
4/27/2025	Advances in Immunotherapy	Clinical Trials Plenary Session	Discussant	Ludwig Stanford	Maximilian Diehn	1:45 PM
4/27/2025	The Neuroscience of Cancer	Major Symposium	Chairperson/Introduction/Neuronal regulation of brain cancers	Ludwig Stanford	Michelle Monje	1:00 PM
4/27/2025	AACR-Bayard D. Clarkson Symposium: Cellular Plasticity and Heterogeneity in Cancer Progression and Resistance	Major Symposium	Intra- and inter-tumoral heterogeneity in small-cell lung cancer progression and metastasis	Ludwig Stanford	Julien Sage	1:05 PM
4/27/2025	Dharma Master Jiantai Advances in Lung Cancer Research Session: Aging and Environmental Cues Drive Lung Cancer Development and Spread	Advances in Organ Site Research	The role of metabolites in aging, immunity, and cancer	Ludwig Harvard	Marcia Haigis	1:24 PM

4/27/2025	ecDNA Amplifications and Genomic Rearrangements: Drivers, Pathology and Therapeutic Opportunities	Major Symposium	Cancer genes beyond chromosomes	Ludwig Stanford	Howard Chang	1:30 PM
4/27/2025	AACR Award for Lifetime Achievement in Cancer Research	Awards and Lectures	Chair Remarks	Ludwig Harvard	Kornelia Polyak	3:00 PM
4/27/2025	AACR Award for Lifetime Achievement in Cancer Research	Awards and Lectures	Normalizing the tumor microenvironment to improve cancer treatment: Bench to bedside and back	Ludwig Harvard	Rakesh Jain	3:05 PM
4/27/2025	Overcoming Tumor Immune Suppression	Minisymposium	An estrogen receptor signaling transcriptional program linked to immune evasion in human hormone receptor-positive breast cancer	Ludwig Harvard	Kenichi Shimada (Guerriero Lab)	3:05 PM
4/27/2025	Late-Breaking Research	Minisymposium	T cell targeted lentiviral gene delivery using the PACK-IT Platform generates CAR-T cells with superior potency compared to conventional lentivirus and enables in vivo generation of CD19-CAR T cells capable of controlling leukemia in preclinical models	Ludwig Stanford	Kylie Burdsall (Mackall Lab)	3:50 PM
4/27/2025	Late-Breaking Research	Minisymposium	Circadian misalignment between cancer cells and immune cells drives immune escape	Ludwig Harvard	Chuqian Liang (Brown Lab)	4:20 PM
4/27/2025	AACR-Princess Takamatsu Memorial Lectureship	Awards and Lectures	Chair Remarks	Ludwig MIT	Tyler Jacks	4:30 PM
4/27/2025	Acquired Resistance to Immunotherapies: A Cancer Immunology Working Group Town Hall and Networking Meeting	Town Meeting	*Invited Speaker*	Ludwig Harvard	Judith Agudo	7:10 PM
4/28/2025	Meet the Editors-in-Chief of Cancer Immunology Research: Robert D. Schreiber, PhD and Philip D. Greenberg, MD	Meet and Greet	Engage in informal discussion with the Editors-in-Chief of Cancer Immunology Research, Robert D. Schreiber, PhD and Philip D. Greenberg, MD, about the scope of the journal and types of research manuscripts they are seeking to publish.	Ludwig Institute	Philip Greenberg, Robert Schreiber	10:30 AM
4/28/2025	AACR Annual Business Meeting of Members	Special Session	AACR Past President	Ludwig Institute	Philip Greenberg	12:30 PM
4/28/2025	Understanding Organ-tropic Metastasis	Major Symposium	Chairperson/Introduction/Unraveling the metastatic niche: Mechanisms and systemic complications	Ludwig Princeton	Yibin Kang	12:30 PM
4/28/2025	Overcoming the Tumor Suppressive Role of the Innate Immune System within the Tumor Microenvironment	Major Symposium	Harnessing neutrophil to overcome resistance to immune based therapies.	Ludwig Weill Cornell	Taha Merghoub	12:35 PM
4/28/2025	Application of Systems Biology, Functional Clinical Proteomics and Multi-Omic Approaches for Precision Oncology at the Bedside	Major Symposium	Using multiplexed spatial methods to study primary cancers and develop biomarkers of high-risk tumors	Ludwig Harvard	Peter Sorger	12:35 PM
4/28/2025	Immunometabolism and Metabolic Fitness in Tumors	Major Symposium	Reprogramming the tumor microenvironment with a single punch- our journey from bench to bedside	Ludwig Lausanne	Ping-Chih Ho	1:15 PM
4/28/2025	Innovative Approaches in Drug Discovery: Novel Leads, Degraders, and AI-Driven Solutions	Minisymposium	Development of potent orally bioavailable inhibitors of nicotinamide N-methyl transferase	Ludwig Chicago	Janna Heide (Lengyel Lab)	2:50 PM
4/28/2025	Metabolic Frontiers in Cancer: Amino Acids, Nutrient Dependencies, and Therapeutic Opportunities	Minisymposium	Physiological nutrient levels reveal nucleotide salvage as a dependency in B-cell acute lymphoblastic leukemia	Ludwig MIT	Ryan Elbashir (Vander Heiden Lab)	3:05 PM
4/28/2025	Innovations in Immunotherapy	Minisymposium	Combined silencing of MED12 and activation of IL2 by epigenetic editing enhances CAR T antitumor potency	Ludwig Stanford	Frank Lin (Mackall Lab)	3:05 PM

4/28/2025	Liquid Biopsy: Circulating Nucleic Acids	Minisymposium	Urine cell-free RNA analysis for bladder cancer detection and monitoring	Ludwig Stanford	Kevin Liu (Diehn Lab)	3:20 PM
4/28/2025	Intra-tumor Heterogeneity of Cancer Models: Towards More Realistic Models for Therapy	Forum	Preclinical models of heterogenous breast cancer	Ludwig Harvard	Kornelia Polyak	5:20 PM
4/28/2025	AACR-G.H.A. Clowes Award for Outstanding Basic Cancer Research	Awards and Lectures	Metabolic control of cancer progression	Ludwig Institute	Karen Vousden	5:35 PM
4/28/2025	Advances in Tumor-infiltrating Lymphocyte (TIL) and CAR T Therapies	Forum	Unveiling the mechanisms of TIL therapy: Toward next-generation Add to My Itinerary	Ludwig Lausanne	Alexandre Harari	5:40 PM
4/29/2025	Biologics and T-cell Engagers	Clinical Trials Plenary Session	Cochairs	Ludwig Stanford, Ludwig Weill Cornell	Crystal Mackall, Jedd Wolchok	10:15 AM
4/29/2025	Epigenetics and RNA Modification in Hematologic Malignancies	Advances in Hematologic Malignancies	Chromatin regulation by RNA methylation in leukemia	Ludwig Chicago	Chuan He	10:15 AM
4/29/2025	Opportunities in Cancer Early Detection Using Next Generation Liquid Biopsies	Advances in Early Detection and Interception	Chairperson, Chair Remarks, Genomic and fragmentomic landscapes of cell-free DNA for early cancer detection	Ludwig Institute	Victor Velculescu	10:15 AM
4/29/2025	Reality Check: AI in Drug Discovery	Advances in Technologies	Title to be Announced	Ludwig Harvard	Chris Sander	10:17 AM
4/29/2025	The Influence of Diet and Metabolism on Cancer Cell State	Major Symposium	A role for ROS in pancreas cancer progression	Ludwig Institute	Karen Vousden	10:45 AM
4/29/2025	Meet the Editors-in-Chief of Cancer Prevention Research: Raymond N. DuBois, MD, PhD and Nickolas Papadopoulos, PhD	Meet and Greet	Engage in informal discussion with the Editors-in-Chief of Cancer Prevention Research, Raymond N. DuBois, MD and Nickolas Papadopoulos, PhD, about the scope of the journal and types of research manuscripts they are seeking to publish	Ludwig Baltimore	Nickolas Papadopoulos	12:00 PM
4/29/2025	Technical and Clinical Advances in Circulating Tumor DNA Minimal Residual Disease Detection	Major Symposium	Chairperson/Introduction/Advances in ctDNA MRD analysis for early stage cancers	Ludwig Stanford	Maximilian Diehn	12:30 PM
4/29/2025	Checkpoints and Modulators of Tumor Microenvironment	Minisymposium	Cochairperson/Introduction	Ludwig Chicago	Thomas Gajewski	2:30 PM
4/29/2025	Hot Topics in Cancer Prevention: Development of Multi-Cancer Early Detection Tests, Assessment of the Immune Environment, Targets for Cancer Prevention, and Cancer Interception Trials	Minisymposium	Cochairperson/Closing Remarks	Ludwig Stanford	Maximilian Diehn	2:30 PM
4/29/2025	Multi-omic Integration for Cancer Evolution and Therapy	Minisymposium	Defining spatial molecular residual disease by personalized tumor tissue profiling	Ludwig Stanford	Julia Ransohoff (Alizadeh Lab)	3:05 PM
4/29/2025	Adoptive Cell Therapies	Minisymposium	Harnessing the conditional proteolytic activity of ADAM17 to generate autonomous regulatory mechanisms in CAR T cells	Ludwig Stanford	Jeremy Bjelajac (Mackall Lab)	3:05 PM
4/29/2025	AACR-Cancer Research Institute Lloyd J. Old Award in Cancer Immunology	Awards and Lectures	CAR T Cells for Cancer Therapy	Ludwig Stanford	Crystal Mackall	3:10 PM
4/30/2025	AACR Annual Meeting 2025 Highlights: Vision for the Future	Plenary Session	Chairperson/Chair Introduction	Ludwig MIT	Matthew Vander Heiden	12:10 PM