40 Years of Cancer Epigenetics

October 20, 2023

Ruth Kirschstein Auditorium, Natcher Conference Center NIH Main Campus, Bethesda

8:00 am – 8:45 am	Registration Natcher Conference Center Building 45, NIH Main Campus, Bethesda MD-20892	All times EST
8:45 am – 9:00 am	Introduction to the meeting Dan Gallahan, Ph.D. Director, NCI Division of Cancer Biology	
9:00 am – 10:40 am	Session 1: Epigenetic Landscapes and Dynamics in Cancer Moderators: Andrew Feinberg, M.D., MPH	
9:00 am – 9:25 am	Cancer Is a Disease of Epigenetic Plasticity Andrew Feinberg, M.D., MPH Johns Hopkins University	
9:25 am – 9:50 am	Spatial Epigenome Sequencing to Map Tissue Deve Aging, and Malignancies Rong Fan, Ph.D. Yale University	lopment,
9:50 am – 10:15 am	Epigenetic states of tumor parent cells and how ep abnormalities can drive pre-malignant tumor progr Stephen Baylin MD Johns Hopkins University	_
10:15 am – 10:40 am	Probing the Epigenome for Therapeutic Opportunities Cheryl Arrowsmith, Ph.D. University of Toronto	
10:40 am – 11:00 am	Break	
11:00 am – 12:40 pm	Session 2: Translational Epigenetics Moderator: Xue (Sean) Li Ph.D.	
11:00 am – 11:25 am	5-Azacytidine: from Myogenesis to MDS Peter A. Jones, Ph.D. Van Andel Research Institute	

11:25 am – 11:50 am	Decoding the cancer epigenome for research and diagnostics Efrat Shema, Ph.D. Weizmann Institute
11:50 am – 12:15 pm	NSD2 and histone methylation: A molecular journey from discovery to therapeutics Or Gozani, M.D., Ph.D. Stanford University
12:15 pm – 12:40 pm	Gaining insights into cancer epigenomics through cfDNA fragmentomics (pre-recorded) Dennis Lo, M.D. Ph.D. MUHK
12:40 pm – 1:45 pm	Lunch
1:45 pm – 3:25 pm	Session 3: Systemic Impacts of Epigenetics Moderator: Yvonne Fondufe-Mittendorf, Ph.D.
1:45 pm – 2:10 pm	Homeodomain factors in melanoma: (EN)abling immune evasion Eva Hernando-Monge Ph.D. NYU
2:10 pm – 2:35 pm	Cancer epigenetics in 3D Christina Leslie Ph.D. Memorial Sloan Kettering
2:35 pm – 3:00 pm	The interface of metabolism and epigenetics Jason Locasale Ph.D. Duke University
3:00 pm – 3:25 pm	Break
3:25 pm – 5:20 pm	Session 4: New Frontiers in Epigenetics Moderators: Stephen Baylin, M.D.
3:45 pm – 4:05 pm	3D chromatin structure at the intersection of toxicology and disease Yvonne Fondufe-Mittendorf Ph.D. Van Andel Institute
4:05 pm – 4:30 pm	Epigenetic sex in bladder tumorigenesis Xue (Sean) Li, Ph.D Cedars Sinai

4:30 pm – 4:55 pm RNA polymerase I fueling tumor cell plasticity

Theresa Vincent Ph.D.

NYU

4:55 pm – 5:20 pm Extrachromosomal DNA, Transcriptional Enhancers and Cancer

Evolution

Chia-Lin Wei Ph.D.

University of Washington

5:20 pm – 5:30 pm *Closing Remarks*