Welcome & Opening Remarks
8:45 – 9:00 am
Haifan Lin, PhD
Eugene Higgins Professor of Cell Biology, Professor of Genetics, Obstetrics, Gynecology and Reproductive Sciences, and Dermatology; Director, Yale Stem Cell Center

Session 1: Epigenetic drivers of hematopoiesis and cancer
Session Chair: In-Hyun Park, PhD,
Associate Professor of Genetics
9:00 - 9:20 am
Shangqin Guo, PhD
Associate Professor of Cell Biology
An unusual cellular state occupied by the fast cycling hematopoietic progenitors
9:20 - 9:40 am
Stephanie Halene, MD, PhD
Associate Professor of Medicine (Hematology)
High-resolution binding atlas of U2AF1 mutants uncovers new complexity in splicing alterations and kinetics in myeloid malignancies
9:40 - 10:00 am
Qin Yan, PhD
Associate Professor of Pathology
Regulation of drug resistance and tumor immunity by KDM5B histone demethylase
10:00 - 10:15 am
Selected trainee flash talks
Qiao Wu, (Guo Lab)
Department of Cell Biology
Cell fate regulation by nuclear-localized actins
Xiongzhuo Tang, (Lin Lab)
Department of Cell Biology
Function of PIWI in drosophila intestinal stem cells and gut development
Phan Duy, (Kahle Lab)
Department of Neurosurgery
A conserved residue in the RNA-binding NHL domain of the LET-7 target TRIM71/LIN-41 is required for mammalian brain morphogenesis and prenatal neural stem cell regulation
10:15 - 10:45 am
Virtual coffee break
10:45 - 11:45 am
Yale Stem Cell Center Keynote Speaker
Juergen A. Knoblich, PhD
Scientific Director, Institute of Molecular Biotechnology of the Austrian Academy of Sciences (IMBA), Vienna, Austria
Cerebral organoids: modelling human brain development and tumorigenesis in stem cell derived 3D culture
11:45 - 12:45 pm
Lunch/Breakout Sessions with Juergen Knoblich and Charles Sawyers
Session 2: Embryonic development and epigenetics
Session Chair: Kaelyn Sumigray, PhD
Assistant Professor of Genetics
12:45 - 1:05 pm
Zachary Smith, PhD
Assistant Professor of Genetics
Epigenetic regulation across major developmental transitions
1:05 - 1:25 pm
Berna Sozen, PhD
Assistant Professor of Genetics
Reconstructing mammalian embryonic patterning in vitro with stem cells
1:25 - 1:45 pm
Andrew Xiao, PhD
Associate Professor of Genetics
Epigenetic regulation in early development and cancer
1:45 – 2:00 pm
Selected trainee flash talks
Yiqun Jiang, (Myung Lab)
Department of Dermatology
Mapping molecular steps in hair follicle dermal niche development
Nils Neuenkirchen/Tianshu Liu, (Lin Lab)
Department of Cell Biology
MIWI2 interacts with the de novo DNA methylation machinery
Shuangshuang Du, (Greco Lab)
Department of Genetics
Cells and structures that orchestrate skin regeneration captured by live imaging
Session 3: Lymphatics, lymph nodes, and lymphocytes in development and anti-cancer immunity
Session Chair: Mandar Muzumdar, MD
Assistant Professor of Genetics and Medical Oncology
2:00 - 2:20 pm
Nikhil Joshi, PhD
Assistant Professor of Immunobiology
Developing genetically engineered animal models to investigate cancer immunology
2:20 - 2:40 pm
Anne Eichmann, PhD
Ensign Professor of Medicine (Cardiology) and Professor of Cellular and Molecular Physiology
Tip cell guidance of retina angiogenesis
2:40 - 3:00 pm
Jeffrey Ishizuka, MD, DPhil
Assistant Professor of Medicine (Oncology)
Targeting dsRNA editing to overcome resistance to immune checkpoint blockade
3:00 - 3:15 pm
Selected trainee flash talks
Haoyang Wei, (Greco Lab)
Department of Genetics
Understanding principles of hair follicle stem cell niche architecture in adult mice
Dingyao Zhang, (Lu Lab)
Department of Genetics
A non-canonical role of toll-like receptor 9 regulates cancer progression through suppressing the TGF-beta pathway
Kaiti Duan, (Hsia Lab)
Department of Surgery/Plastic Surgery
Fibronectin induced human pluripotent stem cell derived vascular smooth muscle cells enhance endothelial network formation via fibroblast growth factor
3:15 - 3:30 pm
Virtual coffee break
3:30 - 4:30 pm
Yale Cancer Center/Yale Stem Cell Center Distinguished Speaker
Charles L. Sawyers, MD
Howard Hughes Medical Investigator; Marie-Josee and Henry R. Kravis Chair in Human Oncology and Pathogenesis; Chair, Human Oncology and Pathogenesis Program, Memorial Sloan Kettering Cancer Center, New York, New York
Lineage plasticity in prostate cancer
Closing Remarks
4:30 pm
Diane Krause, MD, PhD
Professor of Laboratory Medicine, Cell Biology and Pathology; Associate Director, Yale Stem Cell Center

Register now for YSCC’s annual retreat – to be held all day on Friday, October 30th - using the below link:
https://yalesurvey.ca1.qualtrics.com/jfe/for m/SV_3aazgDC41GbNUx5
Those who register now will receive Zoom link the week of the event, and will be invited to select a lunchtime breakout session with a speaker