Conference Cochairs:
Nada Jabado, McGill University, Montréal, QC, Canada
Jeremy N. Rich, University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Roger Stupp, Northwestern University Feinberg School of Medicine, Chicago, Illinois

MONDAY, OCTOBER 25, 2021

10:00-11:15 AM Opening Remarks and Keynote Lectures
10:00-10:25 AM Cohesin-mediated chromosome folding
Job Dekker, University of Massachusetts Medical School, Amherst, Massachusetts
10:25-10:50 AM Single cell epigenomics
Bing Ren, University of Southern California San Diego, La Jolla, California
10:50-11:15 AM Panel Discussion

11:15-11:30 AM Break

11:30 AM-1:00 PM Plenary Session 1: Epigenetics and Epitranscriptomics
11:30-11:50 AM RNA methylation in human cancer
Chaun He, The University of Chicago/ Howard Hughes Medical Institute, Chicago, Illinois
11:50 AM-12:10 PM Deconvolution of chromatin programs of stemness at single cell resolution
Marco Gallo, University of Calgary Cumming School of Medicine, Calgary, Canada
12:10-12:30 PM Dissecting glioblastoma by single cell RNA-seq
Itay Tirosh, Weizmann Institute of Science, Rehovot, Israel
12:30-1:00 PM Panel Discussion

1:00-1:15 PM Break

1:15-2:45 PM Plenary Session 2: Novel Therapeutics
1:15-1:35 PM Immunocytokines to treat glioblastoma
Michael Weller, University Hospital Zurich, Switzerland
1:35-1:55 PM Integrated development of a brain-penetrant EGFR inhibitor and non-invasive predictive biomarker of response for glioblastoma
David A. Nathanson, University of California Los Angeles, Los Angeles, California

1:55-2:15 PM Advancing CAR T cell therapy for glioblastoma
Christine E. Brown, City of Hope National Medical Center, Duarte, California

2:15-2:45 PM Panel Discussion

TUESDAY, OCTOBER 26, 2021

10:00-11:30 AM Plenary Session 3: Metabolism and the Tumor Microenvironment

10:00-10:20 AM Consistent metabolic adaptations in stressful tumor microenvironments
Celeste Simon, Abramson Family Cancer Research Institute, Philadelphia, Pennsylvania

10:20-10:40 AM Exploring and therapeutically exploiting the tumor microenvironment in brain cancers
Johanna A. Joyce, UNIL University of Lausanne, Lausanne, Switzerland

10:40-11:00 AM Effects of diet and insulin on cancers with PI3K pathway mutations
Lewis C. Cantley, Weill Cornell Medicine, New York, New York

11:00-11:30 AM Panel Discussion

11:30 AM-12:00 PM Break

12:00-1:30 PM Drug Design for Better CNS Penetration Panel
Not eligible for CME credit

Aberrant DNA repair as a therapeutic target in glioblastoma
Petra Hamerlik, Danish Cancer Society Research Center, Copenhagen, Denmark

Advancing biology and treatment of pediatric CNS tumors
Mark W. Kieran, Day One Biopharmaceutical, Yardley, Pennsylvania
1:30-1:45 PM  Break

1:45-2:30 PM  Closing Keynote and Closing Remarks

**Precision immunotherapy targeting malignant brain tumors**
Duane A. Mitchell, University of Florida, Gainesville, Florida