SUNDAY
AACR Annual Meeting
Booth #3048
Georgia World Congress Center
March 31st – April 3rd

Expo Hall - Booth #3048
1:00pm - 5:00pm
Genomic Sequencing Services
Jane Wilkinson & Andy Hollinger, Genomics Platform

2:00pm - 3:30pm
FireCloud and Genomic Analysis Services
Junko Tsuji, Genomics Platform

3:30pm - 4:30pm
Somatic SNP and CNV calling with the Genome Analysis Toolkit (GATK)
Lee Lichtenstein, Data Sciences Platform

3:30pm - 5:00pm
DepMap Consortium
Jesse Boehm, Cancer Program

4:30pm - 5:00pm
Talk Q&A - Expanding the immunopeptidome with ribosome profiling
Tamara Ouspenskaia, Regev Lab

Major Symposium
1:00pm - 2:45pm
Systems Biology and Cancer Immunology
Murphy Ballroom- Building B - GWCC
1:05pm-1:30pm
Systematic approaches to improving personal cancer vaccines
Presenter: Catherine Wu

Special Session
3:00pm - 4:30pm
NextGen Stars Spotlight 1: Genetics and Immunology
Georgia Ballroom 1- Building C - GWCC
4:00pm-4:20pm
Expanding the immunopeptidome with ribosome profiling
Presenter: Tamara Ouspenskaia
**Late-Breaking Minisymposium**

3:00pm - 5:00pm  
**Minisymposium: Late-Breaking Research 1**  
Room A402 - GWCC  
3:05pm-3:20pm  
**WRN helicase is a synthetic lethal target in microsatellite unstable cancers**  
Presenter: Edmond Chan

**Posters**

1:00pm - 5:00pm

**139 - Single-cell RNA sequencing reveals compromised immune microenvironment in precursor stages of multiple myeloma**  
Section 6  
Board 16  
Presenter: Nicholas Haradhvala

**314 - Acquired FGF and FGFR alterations confer resistance to estrogen receptor (ER) targeted therapy in metastatic ER+ breast cancer**  
Section 13  
Board 5  
Presenter: Pingping Mao

**455 - Innovations in large scale liquid biopsy analysis and the Broad/IBM Cancer Resistance Project**  
Section 18  
Board 27  
Presenter: Carrie Cibulskis

**566 - Neoantigens from translated unannotated open reading frames in cancer**  
Section 24  
Board 1  
Presenter: Travis Law

**675 - Network modeling of drug resistance mechanisms and drug combinations in breast cancer**  
Section 30  
Board 8  
Presenter: Jorge Gomez Tejeda Zanudo
Monday

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Expo Hall - Booth #3048

9:00am - 10:00am
**FireCloud and Genomic Analysis Services**
Junko Tsuji, Genomics Platform

9:00am - 5:00pm
**Genomic Sequencing Services**
Jane Wilkinson & Andy Hollinger, Genomics Platform

10:00am - 11:30am
**Somatic Translational Analysis**
Niall Lennon, Genomics Platform

11:30am - 1:00pm
**DepMap Consortium**
Jesse Boehm, Cancer Program

Noon - 1:00pm
**PRISM : Rapidly screen thousands of drugs across hundreds of human cancer models at scale**
Samantha Bender & Jennifer Roth, Cancer Program

2:00pm - 3:00pm
**Somatic SNP and CNV calling with the Genome Analysis Toolkit (GATK)**
Lee Lichtenstein, Data Sciences Platform

3:00pm - 4:00pm
**Talk Q&A - Development of therapeutic strategies by resolving the tumor ecosystem**
Benjamin Izar, Regev Lab

4:00pm - 5:00pm
**Clinical Genome & Genomic Data Analysis**
Alyssa Macbeth, Genomics Platform

Major Symposium

1:00pm - 2:45pm
**Dharma Master Jiantai Symposium in Targeted Therapy: Systematic Elucidation of Nononcogene Targets**
Room B405 - GWCC
1:05pm-1:25pm
**Chemical biology-based approach to understanding and overcoming resistance of cancers to therapies**
Presenter: Stuart Schreiber

**The Next Generation of Precision Cancer Medicine: Recognizing and Exploiting the Complexity**
Marcus Auditorium- Building A - GWCC
1:55pm-2:10pm
**Development of therapeutic strategies by resolving the tumor ecosystem**
Presenter: Benjamin Izar
**Minisymposium**

3:00pm - 5:00pm  
**Preclinical Drug Development: Dedicated to the Memory of John Mendelsohn**  
Room B206 - GWCC  
3:05pm-3:20pm  
*Overview: Preclinical drug development*  
Presenter: William Sellers

3:00pm - 5:00pm  
**Novel Therapeutic Agents and Screening Approaches**  
Room B401 - GWCC  
3:50pm-4:05pm  
*Massively parallel multiplexed methods to screen hundreds of barcoded cancer cell line models with small molecules or genetic perturbations using next-generation sequencing*  
Presenter: Samantha Bender

3:00pm - 5:00pm  
**Present and Future of Biomarkers for Anticancer Immunotherapy**  
Room B312 - GWCC  
4:05pm-4:20pm  
*MSIClass-Identification and classification of microsatellite unstable using cell-free DNA from ultra-low-pass sequencing*  
Presenter: Yosef Maruvka

3:00pm - 5:00pm  
**Structural and Functional Cancer Genomics**  
Room A302 - GWCC  
4:35pm-4:50pm  
*The premalignant state captured in the landscape of somatic mutations can reveal the cancer cell-of-origin*  
Presenter: Kirsten Kubler
Posters

8:00am - Noon

**LB-064** - Inhibition of signal peptide peptidase triggers novel antigen presentation on non-classical MHC and sensitizes tumors to checkpoint blockade
Section 41
Board 9
Presenter: Adrienne Long

**CT050** - Expansion cohort of Phase I study of oral sapacitabine and oral seliciclib in patients with metastatic breast cancer and BRCA1/2 mutations
Section 17
Board 7
Presenter: Tanya Keenan

**1026** - Oncogenic alterations in FGFR3 and ERBB2 lead to ligand-independent activation of PPARG in bladder cancer
Section 2
Board 27
Presenter: Jonathan Goldstein

**2101** - Targeting the root of cancer persister cells using an expressed barcode library
Section 11
Board 8
Presenter: Yaara Oren

**2473** - Scaling computational genomics to millions of individuals with GPUs
Section 31
Board 13
Presenter: Amaro Taylor-Weiner

**2485** - Somatic analysis services with best practice workflows in a cloud-based platform
Section 31
Board 25
Presenter: Junko Tsuji
TUESDAY

AACR Annual Meeting
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Expo Hall - Booth #3048

9:00am - Noon
   Liquid Biopsy / Somatic Analysis Q&A
   Carrie Cibulskis, Genomics Platform

9:00am - 5:00pm
   Genomic Sequencing Services
   Jane Wilkinson & Andy Hollinger, Genomics Platform

10:00am - 11:00am
   Somatic SNP and CNV calling with the Genome Analysis
   Toolkit (GATK)
   Lee Lichtenstein, Data Sciences Platform

Noon - 1:00pm
   Clinical Genome & Genomic Data Analysis
   Alyssa Macbeth, Genomics Platform

1:00pm - 2:00pm
   PRISM: Rapidly screen thousands of drugs across hundreds
   of human cancer models at scale
   Samantha Bender & Jennifer Roth, Cancer Program

2:00pm - 3:00pm
   Meet and Greet
   Todd Golub, Cancer Program

2:00pm - 4:00pm
   Broad Institute Cancer Resistance Project
   Gad Getz, Brian Danysh & Ignaty Leshchiner, Cancer Program

4:00pm - 5:00pm
   FireCloud and Genomic Analysis Services
   Junko Tsuji, Genomics Platform

Major Symposium

10:30am - 12:15pm
   Convergence of Artificial Intelligence, Big Data, and Prediction in
   Cancer
   Georgia Ballroom 2 - Building C - GWCC

10:35am-10:55am
   Convergence of clinical cancer genomics and machine
   learning for translational discovery
   Presenter: Eliezer Van Allen

11:25am-11:40am
   Dissecting genomic correlates of response and
   resistance to chemotherapy in bladder cancer through
   clinical computational oncology
   Presenter: David Liu
Meet-the-Expert
7:00am - 8:00am
Next-generation characterization and functional mapping of the cancer cell line encyclopedia: Implications for targeting dysregulated metabolism in cancer
Room B302 - GWCC
Presenter: William Sellers

Posters
8:00am - Noon

2867 - MDM2 and MDM4 are therapeutic vulnerabilities in malignant rhabdoid tumors
Section 6
Board 3
Presenter: Thomas Howard

2878 - CRISPR-Cas9 screens identify the nuclear export factor NXT1 as a novel therapeutic target in MYCN-amplified neuroblastoma
Section 6
Board 14
Presenter: Clare Malone

2893 - ALK amplification and rearrangements are recurrent targetable events in glioblastoma
Section 6
Board 29
Presenter: Anne-Florence Blandin

2948 - Novel cell line barcoding method reveals tepoxalin as a selective drug against MDR1-high tumor cells
Section 9
Board 16
Presenter: Steven Corsello

3104 - A high prevalence of chromosomal translocations as drivers in high-risk pediatric solid cancers
Section 19
Board 2
Presenter: Laura Corson

3543 - Clinical whole genome sequencing at scale
Section 36
Board 29
Presenter: Alyssa Macbeth

3647 - Single cell RNA sequencing reveals mitogenic and progenitor gene programs in BRAF-rearranged pilocytic astrocytomas
Section 2
Board 5
Presenter: Zachary Reitman

4344 - Integrative functional proteogenomics for unannotated or uncharacterized proteins in cancer
Section 34
Board 4
Presenter: John Prensner
**WEDNESDAY**

AACR Annual Meeting  
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**Expo Hall - Booth #3048**

9:00am - 10:00am  
*FireCloud and Genomic Analysis Services*  
Junko Tsuji, Genomics Platform

9:00am - 1:00pm  
*Genomic Sequencing Services*  
Jane Wilkinson & Andy Hollinger, Genomics Platform

10:00am - 11:00am  
*Clinical Genome & Genomic Data Analysis*  
Alyssa Macbeth, Genomics Platform

**Major Symposium**

10:15am - Noon  
*Immune Exhaustion and Cancer Therapies*  
Murphy Ballroom - Building B - GWCC  
10:21am-10:49am  
*The epigenetic landscape of T-cell exhaustion*  
Presenter: Nicholas Haining

**Posters**

8:00am - Noon  

**LB-257**  
Liquid biopsy versus tissue biopsy to assess acquired resistance and tumor heterogeneity in gastrointestinal cancers  
Section 40  
Board 3  
Presenter: Gad Getz

**4533**  
Plasma and exosome proteomic profiling for prediction of immunotherapy response and toxicity  
Section 2  
Board 6  
Presenter: Arnav Mehta

**5106**  
The GenePattern Notebook environment for reproducible cancer research  
Section 30  
Board 14  
Presenter: Michael Reich

**5108**  
Somatic small variant and copy number alteration calling with the Genome Analysis Toolkit  
Section 30  
Board 16  
Presenter: Lee Lichtenstein