

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Precision Medicine in Cancer (E1)

May 6-10, 2018 • Clarion Hotel Sign • Stockholm, Sweden

Scientific Organizers: Richard Rosenquist, Elaine Mardis and Charles M. Perou

Sponsored by Thermo Fisher Scientific Inc.

Abstract & Scholarship Deadline: January 9, 2018 / Abstract Deadline: February 6, 2018 / Discounted Registration Deadline: March 6, 2018

### SUNDAY, MAY 6

#### Arrival and Registration

### MONDAY, MAY 7

#### Welcome and Keynote Address

**Charles M. Perou**, University of North Carolina at Chapel Hill, USA  
*Charting the Cancer Genome Landscape: Lessons, Opportunities and Challenges*

#### Clinical Genomics in Solid Tumors

**Arul M. Chinnaiyan**, University of Michigan, USA  
*Clinical Genomics for Precision Medicine in Prostate Cancer*

**Serena Nik-Zainal**, Wellcome Trust Sanger Institute, UK  
*Landscape of Somatic Mutations in Breast Cancer: Clinical Implications*

**Victor E. Velculescu**, Johns Hopkins University, USA  
*Defining Progression in Colorectal Cancer: Current Status and Beyond*

#### Short Talk(s) Chosen from Abstracts

#### Workshop 1: Deciphering Cancer by Next-Generation Sequencing

##### Short Talks Chosen from Abstracts

#### Precision Diagnostics in Solid Tumors

**Michael F. Berger**, Memorial Sloan Kettering Cancer Center, USA  
*Integrated Genomic Assays for Precision Cancer Diagnostics*

#### Speaker to be Announced

**Matthew J. Ellis**, Baylor College of Medicine, USA  
*Integrated Proteogenomics for Biomarker Discovery in Breast Cancer*

**Levi A. Garraway**, Eli Lilly and Company, USA  
*Dissecting the Microenvironment in Melanoma by Single Cell*

#### Short Talk Chosen from Abstracts

#### Poster Session 1

### TUESDAY, MAY 8

#### Keynote Address

**Elaine Mardis**, Nationwide Children's Hospital, Ohio State University, USA

*Future Directions of Precision Cancer Genomics*

#### Clinical Genomics in Hematological Malignancies

**Charles G. Mullighan**, St. Jude Children's Research Hospital, USA  
*Advances in Genetics and Therapy in Pediatric Acute Lymphoblastic Leukemia*

**Richard Rosenquist**, Karolinska Institutet, Sweden  
*The Molecular Landscape of Chronic Lymphocytic Leukemia: Prognostic and Therapeutic Implications*

**Riccardo Dalla-Favera**, Columbia University, USA  
*Precision Medicine in B Cell Lymphoma*

**Elli Papaemmanuil**, Memorial Sloan Kettering Cancer Center, USA  
*Genomic Drivers and Prognosis in Acute Myeloid Leukemia*

#### Short Talk(s) Chosen from Abstracts

#### Workshop 2: Circulating Cell-Free Nucleic Acid Sequencing and Detection of Minimal Residual Disease

##### Short Talks Chosen from Abstracts

#### Precision Diagnostics in Hematological Malignancies

**Maria Luisa Sulis**, NewYork-Presbyterian Hospital/Columbia University Medical Center, USA

*Clinical Implementation of Sequencing in Pediatric Hematology-Oncology Practice*

**Eva Hellström-Lindberg**, Karolinska Institute, Sweden  
*High-Throughput Mutational Screening Improves Risk Stratification in Myelodysplastic Syndromes*

**Ross L. Levine**, Memorial Sloan Kettering Cancer Center, USA  
*Integrated Genomic/Transcriptomic Profiling of Hematologic Malignancies*

#### Short Talk Chosen from Abstracts

#### Poster Session 2

### WEDNESDAY, MAY 9

#### Disease Monitoring in Cancer Patients

**Pasi A. Jänne**, Harvard Medical School, USA  
*Cell-Free DNA as Precision Markers for Cancer Detection*

**Alberto Bardelli**, University of Torino, Italy  
*Cancer Evolution as a Therapeutic Target*

**Catherine Ju-Ying Wu**, Dana-Farber Cancer Institute, USA  
*Intraclonal Dynamics in Chronic Lymphocytic Leukemia: Clinical Implications*

#### Short Talk(s) Chosen from Abstracts

#### Novel Approaches in Cancer Genomics

**Charles Swanton**, London Research Institute, UK  
*Targeted Therapies and Resistance in Lung Cancer*

**David T. Miyamoto**, Massachusetts General Hospital, USA  
*Molecular Characterization of Circulating Tumor Cells for Cancer Precision Medicine*

#### Speaker to be Announced

#### Short Talk Chosen from Abstracts

#### Poster Session 3

### THURSDAY, MAY 10

#### Novel Targets, Novel Therapies I

##### Speaker to be Announced

**Winette Van Der Graaf**, Institute of Cancer Research, UK  
*Targeting the Kinome in Cancer*

##### Speaker to be Announced

**Thomas Helleday**, Karolinska Institutet, Sweden  
*Targeting the DNA Damage Response in Cancer*

#### Short Talk(s) Chosen from Abstracts

#### Workshop 3: Identifying Novel Targets and Therapies

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### Short Talks Chosen from Abstracts

#### Novel Targets, Novel Therapies II

##### Speaker to be Announced

**Eric Tran**, Providence Cancer Center, USA

*Immunogenicity of Somatic Mutations in Cancer*

**Laurence Zitvogel**, Institut Gustave Roussy, France

*Resistance to Immune-Checkpoint Blockade in Cancer*

#### Meeting Wrap-Up

**Jonas Bergh**, Karolinska Institutet, Sweden

*A Clinical Oncologist Perspective*

### FRIDAY, MAY 11

#### Departure