



**NATIONAL CANCER INSTITUTE**  
**Office of Cancer Clinical**  
**Proteomics Research**

## THE CLINICAL PROTEOMIC TUMOR ANALYSIS CONSORTIUM SCIENTIFIC SYMPOSIUM

Wednesday, October 16, 2019  
8:30 a.m. - 6:00 p.m.

National Institutes of Health  
Building 35A, Porter Neuroscience Center, Rooms 610/620/630/640  
35 Convent Drive, Bethesda, Maryland 20892

### AGENDA

8:00 a.m. - 8:30 a.m.	<b>Registration</b>
8:30 a.m. - 8:40 a.m.	<b>Opening Remarks</b> Douglas R. Lowy, M.D., Director (Acting) National Cancer Institute, NIH
8:40 a.m. - 9:00 a.m.	<b>State of CPTAC (Status Report)</b> Henry Rodriguez, Ph.D., M.B.A. National Cancer Institute, NIH
<b>9:00 a.m. - 10:30 a.m.</b>	<b>Session I</b>
9:00 a.m. - 9:30 a.m.	<b>Deep Integrated Proteogenomic Characterization of Renal Cell Carcinoma</b> David Clark, Ph.D. Johns Hopkins University
9:30 a.m. - 10:00 a.m.	<b>Proteogenomic Characterization of Endometrial Carcinoma</b> Emily Kawaler, M.S. New York University Langone Health
10:00 a.m. - 10:30 a.m.	<b>Proteogenomic Analysis of Pediatric Brain Tumors and Adult Glioblastoma Multiforme (CPTAC partnership with the Gabriella Miller Kids First Pediatric Research Program)</b> Brian R. Rood, M.D. Children's National Health System  Li Ding, Ph.D. Washington University in St. Louis, School of Medicine
10:30 a.m. - 10:55 a.m.	<b>Break (Group Picture)</b>
<b>10:55 a.m. - 12:10 p.m.</b>	<b>Session II</b>
10:55 a.m. - 11:20 a.m.	<b>Proteogenomic Characterization of Ovarian High-Grade Serous Cancer Implicates Mitotic Kinase and Replication Stress</b> Karin Rodland, Ph.D. Pacific Northwest National Laboratory; Oregon Health & Science University
11:20 a.m. - 11:45 a.m.	<b>Integrated Glycoproteomic Characterization of Human High-Grade Serous Ovarian Cancer</b> Hui Zhang, M.S., Ph.D. Johns Hopkins University School of Medicine

11:45 a.m. - 12:10 p.m.	<b>Ovarian Cancer and Platinum Resistance for Clinical Trials</b> Michael Birrer, M.D., Ph.D. University of Alabama Comprehensive Cancer Center
12:10 p.m. - 1:45 p.m.	<b>Lunch (on your own) and Poster Viewing</b>
<b>1:45 p.m. - 3:25 p.m.</b>	<b>Session III</b>
1:45 p.m. - 2:10 p.m.	<b>Comprehensive Proteogenomic Analysis of Human Colon Cancer Reveals New Therapeutic Opportunities</b> Bing Zhang, Ph.D. Baylor College of Medicine
2:10 p.m. - 2:35 p.m.	<b>Comprehensive Proteogenomic Analysis of Human Lung Adenocarcinoma</b> Michael A Gillette, M.D., Ph.D. Broad Institute
2:35 p.m. - 3:00 p.m.	<b>Breast Cancer Proteogenomics for Clinical Trials</b> Matthew J. Ellis, M.B., B.Chir., B.Sc., Ph.D., FRCP Baylor College of Medicine
3:00 p.m. - 3:25 p.m.	<b>Global and Phosphoproteomic Analysis to Kinase Inhibitor Treatment in Acute Myeloid Leukemia (partnership with BEAT AML Master Clinical Trial)</b> Elie Traer M.D., Ph.D. Oregon Health & Science University
3:25 p.m. - 3:45 p.m.	<b>Break</b>
<b>3:45 p.m. - 4:35 p.m.</b>	<b>Session IV</b>
3:45 p.m. - 4:10 p.m.	<b>Development of Fit-For-Purpose Targeted Mass Spec Proteomic Assays</b> Amanda G. Paulovich, M.D., Ph.D. Fred Hutchinson Cancer Research Center
4:10 p.m. - 4:35 p.m.	<b>Towards Single Cell [Comprehensive] Proteomics</b> Tao Liu, Ph.D. Pacific Northwest National Laboratory
<b>4:35 p.m. - 6:00 p.m.</b>	<b>Live Demo Workshop - Data Access and Informatic Tools</b>
4:35 p.m. - 5:15 p.m.	<b>Session 1: Data Access</b> Proteomics: Karen Ketchum, Ph.D., ESAC, Inc. Genomics: Sharon Gaheen, Leidos Biomed Imaging: Justin Kirby, Frederick National Laboratory for Cancer Research
5:15 p.m. - 6:00 p.m.	<b>Session 2: Data Analysis Tool</b> Data and Interactive Network Visualization for Proteogenomic Data: Mt. Sina team Multi-omics data analysis tool (LinkedOmics): BCM team Database to visualize post-translational modifications in humans (PTMcosmos): WashU team