



National Cancer Institute  
National Institutes of Health  
U.S. Department of Health and Human Services

**2<sup>nd</sup> Annual NCI Center for Strategic Scientific Initiatives (CSSI) Science Day**  
*Wednesday, June 25, 2014*

**AGENDA**

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- 8:25 a.m. - 8:30 a.m.      **Welcome Remarks and Introductions**  
Douglas R. Lowy, M.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 8:30 a.m. - 8:55 a.m.      **Overview of the NCI Center for Strategic Scientific Initiatives**  
Douglas R. Lowy, M.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 8:55 a.m. - 9:00 a.m.      **Goals and Intent of Science Day**  
Jerry S.H. Lee, Ph.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 9:00 a.m. - 9:15 a.m.      **Office of Cancer Clinical Proteomics Research (OCCPR) Update**  
Henry Rodriguez, Ph.D., M.B.A.  
Office of Cancer Clinical Proteomics Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 9:15 a.m. - 9:30 a.m.      **Office of Cancer Nanotechnology Research (OCNR) Update**  
Piotr Grodzinski, Ph.D.  
Office of Cancer Nanotechnology Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

- 9:30 a.m. - 11:00 a.m. **CSSI Science Day Submission Pilot Update: *Translating Genomic Targets Into Cancer Therapeutics Using Nanotechnology***
- 9:30 a.m. - 10:45 a.m. ***Pilot Development and the NCI Cancer Target Discovery and Development (CTD<sup>2</sup>) Program***  
 Stephanie A. Morris, Ph.D.  
 Office of Cancer Nanotechnology Research  
 Center for Strategic Scientific Initiatives  
 National Cancer Institute, NIH
- Daniela Gerhard, Ph.D.  
 Office of Cancer Genomics  
 Center for Cancer Genomics  
 National Cancer Institute, NIH
- Pilot Project Presentations***
- 9:45 a.m. - 10:15 a.m. ***Targeting Oncogenic Protein-Protein Interactions With Antagonist Peptides Delivered by Theranostic Nanoparticles***  
 Lily Yang, M.D., Ph.D.  
 Emory University
- 10:15 a.m. - 10:45 a.m. ***Biological Validation of Lethality Targets Using Nanotechnology***  
 Anil K. Sood, M.D.  
 The University of Texas MD Anderson Cancer Center
- 10:45 a.m. - 11:00 a.m. **Break**
- 11:00 a.m. - 11:45 a.m. **CSSI Science Day Submission Pilot Update: *Leveraging Bottom-Up Proteomics for Intact Proteoform Measurements With CPTAC Tissue Samples***
- 11:00 a.m. - 11:15 a.m. ***Pilot Development***  
 Emily S. Boja, Ph.D.  
 Office of Cancer Clinical Proteomics Research  
 Center for Strategic Scientific Initiatives  
 National Cancer Institute, NIH
- 11:15 a.m. - 11:45 a.m. ***Can Protein Discovery With Complete Molecular Specificity Increase Return on Investment for Cancer Biomarkers?***  
 Neil L. Kelleher, Ph.D.  
 Northwestern University
- 11:45 a.m. - 1:00 p.m. **Lunch (on your own)**
- 1:00 p.m. - 1:45 p.m. **Keynote Presentation: Veterans Affairs' Virtual Medical Center (VAVMC): Setting a Vision for a Virtual Health Care Campus for Our Veterans**  
 Manny Dominguez, Ph.D.  
 Veterans Health Administration  
 U.S. Department of Veterans Affairs

1:45 p.m. - 2:15 p.m.

**OCCPR Project Presentation**

Moderator: Robert Rivers, Ph.D.  
Office of Cancer Clinical Proteomics Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

***Biological Insights From the Comprehensive Proteomic Analyses of TCGA Ovarian Cancer Specimens: Update From CPTAC***

Karin D. Rodland, Ph.D.  
Pacific Northwest National Laboratory

2:15 p.m. - 2:45 p.m.

**OCNR Project Presentation**

Moderator: Stephanie A. Morris, Ph.D.  
Office of Cancer Clinical Proteomics Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

***Developing Nanotechnology for In Vitro Diagnostics***

Shan X. Wang, Ph.D.  
Stanford University

2:45 p.m. - 3:00 p.m.

**Break**

3:00 p.m. - 3:30 p.m.

**OCCPR Project Presentation**

Moderator: Robert Rivers, Ph.D.  
Office of Cancer Clinical Proteomics Research  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

***Empowering Biologists With Panomics Data: Colorectal Cancer as a Paradigm***

Bing Zhang, Ph.D.  
Vanderbilt University

3:30 p.m. - 4:00 p.m.

**CSSI OD Project Presentation**

Moderator: Emily J. Greenspan, Ph.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH

***Assaying Cancer Cell Growth and Therapy Response in Single Cells***

Keith L. Ligon, M.D., Ph.D.  
Dana-Farber Cancer Institute

- 4:00 p.m. - 5:00 p.m.      **CSSI Science Day Collaboration Pilot Presentations**  
Moderator: Henry Rodriguez, Ph.D., M.B.A.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 4:00 p.m. - 4:30 p.m.      ***The Atlas of Human Gene Expression and Beyond: The Genotype-Tissue Cancer Expression (GTEx) Project***  
Simona Volpi, Ph.D.  
Division of Genomic Medicine  
National Human Genome Research Institute, NIH
- 4:30 p.m. - 5:00 p.m.      ***Unlocking the Prognostic Significance of Microdissected Proximal Lesions From the Human Colon***  
Daniel W. Rosenberg, Ph.D.  
University of Connecticut School of Medicine
- 5:00 p.m. - 5:15 p.m.      **Feedback From Extramural Participants, Final Discussion, and Wrap-up**  
Moderator: Douglas R. Lowy, M.D.  
Office of the Director  
Center for Strategic Scientific Initiatives  
National Cancer Institute, NIH
- 5:15 p.m.      **Adjournment**