



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

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

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