

AGENDA

Envisioning Computational Innovations for Cancer Challenges: Scoping Meeting

March 6-7, 2019

Livermore Valley Open Campus

High Performance Computing Innovation Center, Building 6475

7000 East Ave - Livermore, CA 94550

March 6

8:00 am – 8:45 am

ARRIVAL AND CHECK-IN

8:45 am – 9:45 am

WELCOME AND ORIENTATION

Why Now?

Emily Greenspan, *NCI*

Carolyn Lauzon, *DOE SC*

HPC in Cancer Research Brief Overview

Amy Gryshuk, *LLNL*

Eric Stahlberg, *FNLCR*

Knowinnovation Introduction

Andy Burnett, *Knowinnovation (KI)*

Stavros Michailidis, *Knowinnovation (KI)*

9:45 am – 10:45 am

**SESSION 1: WHAT'S POSSIBLE COLLABORATING ACROSS
DISCIPLINES AND ORGANIZATIONS**

JDACS4C Panel:

Jessica Boten, *NCI*

Yvonne Evrard, *FNLCR*

Dwight Nissley, *FNLCR*

Rick Stevens, *ANL*

Fred Streitz, *LLNL*

Gina Tourassi, *ORNL*

Moderators:

Michael Cooke, *DOE SC*

Betsy Hsu, *NCI*

10:45 am – 11:30 am **A Coffee Break with a Purpose** - Generating ideas for lean-in challenge areas (part 1)

11:30 am – 12:30 pm **KEYNOTE PRESENTATION**
DOE Success Story: Leading with Science in a Computational Context
Peter Nugent, *LBL*

12:30 pm – 2:00 pm **Working Lunch** - Generating ideas for lean-in challenge areas (part 2)

2:00 pm – 3:00 pm **SESSION 2: CHALLENGE AREAS IN CANCER RESEARCH**
Panel:
Gregory Cooper, *University of Pittsburgh*
Tina Hernandez-Boussard, *Stanford University*
Paul Macklin, *Indiana University*
John Quackenbush, *Harvard University*
Amanda Randles, *Duke University*
William Richards, *Brigham and Women's Hospital*
Ilya Shmulevich, *Institute for Systems Biology*
Amber Simpson, *MSKCC*
Moderators:
Amy Gryshuk, *LLNL*
Roxanne Jensen, *NCI*

3:00 pm – 3:45 pm **SPEED NETWORKING** - Generating ideas for lean-in challenge areas (part 3)

3:45 pm – 4:00 pm **BREAK**

4:00 pm – 5:00 pm **SESSION 3: DOE CAPABILITIES AND RESEARCH**
DOE National Lab Panel:
Frank Alexander, *BNL*
Silvia Crivelli, *LBL*
John Feddema, *SNL*
Sarah Michalak, *LANL*
Ana Paula de Oliveira Sales, *LLNL*
Robert Rallo, *PNNL*
Rick Stevens, *ANL*
Gina Tourassi, *ORNL*
Moderators:
Carolyn Lauzon, *DOE SC*
Eric Stahlberg, *FNLCR*

5:00 pm – 5:30 pm **Closing plenary | ADJOURN DAY 1**

6:30 pm – 8:00 pm **Dinner in self organized groups**

March 7

8:00 am – 8:45 am	ARRIVAL AND CHECK-IN
8:45 am – 9:00 am	RECAP DAY 1 OVERNIGHT IDEAS
9:00 am – 10:00 am	KEYNOTE PRESENTATION Blue Sky Possibilities at the Intersection of Oncology and Computing <i>Warren Kibbe, Duke University</i>
10:00 am – 11:00 am	BREAK OUT GROUPS - Generating ideas for lean-in challenge areas (part 4)
11:00 am – 12:00 pm	SYNTHESIS OF LEAN-IN CHALLENGE AREAS
12:00 pm – 1:00 pm	LUNCH
1:00 pm – 1:30 pm	PRIORITIZATION OF LEAN-IN CHALLENGE AREAS & WRITING GROUP FORMATION
1:30 pm – 3:30 pm	WRITING GROUPS For each lean-in challenge area, small writing teams will address: <ul style="list-style-type: none">• An introduction to the challenge• Why is this a relevant and important challenge?• Why is now the right time?• How will it drive innovation in cancer research? What is the impact for cancer research?• How will it drive innovation in high-performance computing (HPC)? What is the impact for HPC?• What are the key and historical challenges?• What cultural shifts are required?
3:30 pm – 5:30 pm	WRITING GROUP PRESENTATIONS WITH FEEDBACK
5:30 pm – 5:45 pm	WRAP-UP
6:00 pm	ADJOURN DAY 2