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**The Clinical Proteomic Tumor Analysis Consortium**

**(CPTAC 3.0) STEERING COMMITTEE Meeting**

**<scientific & Programmatic updates>**

*May 1-3, 2018*

National Institutes of Health

Neuroscience Center (NSC) building

6001 Executive Blvd, Rockville, MD 20852

ROOMS A/b/c/d/e

Agenda

**DAY 1 - Tuesday , May 1**

**8:00 am Registration**

**8:30 am NCI Welcome and Overview**

Ned Sharpless, M.D. *Director, NCI, NIH*

 Henry Rodriruez, Ph.D., M.B.A., *Director, Office of Cancer Clinical Proteomics Rsearch, NCI, NIH*

**8:30 am Translational Program (partnership with NCI-Sponsored Clinical Trials)**

 **Proteogenomic Translational Research Center (PTRC) Session**

One unified presentation from each disease group with a max of two presenters (30 min + 15 for Q&A total/disease)

PTRC Teams Milestone Updates

Preclinical/Clinical Research Arm

Target Identification and Assay Aevelopement

Pilot Project Update

*Moderator: Mehdi Mesri, Ph.D., NCI*

**8:30**  **Acute Myeloid Leukemia Team (OHSU & PNNL)**

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

Brian Druker, M.D., *Oregon Health & Science University*

**9:15**  **Breast Cancer Team (Baylor & Broad)**

Matthew Ellis, Ph.D., M.B., B.Chir., F.R.C.P., *Baylor College of Medicine*

Steven Carr, Ph.D., *Broad Institute*

**10:00 Ovarian Cancer Team (FHCRC & UAB)**

Michael Birrer, M.D., Ph.D., *University of Alabama at Birmingham Comprehensive Cancer Center*

Amanda Paulovich, M.D., Ph.D., *Fred Hutchinson Cancer Research Center*

**10:45 am Break**

**11:00 am** **Retrospective vs Prospective Samples**

Respective CPTAC 2.0 cancer type centers (BCM: colon; PNNL/JHU: ovarian; and Broad/FHCRC: breast) to present data on biology stemming from retrospective vs. prospective collection procedures. This will assist NCI program to assess prospective fresh-frozen tumor samples versus retrospective (non-CPTAC protocol) fresh-frozen tumor samples.

*Moderator: Emily Boja, Ph.D., NCI*

**11:00** **Breast Cancer:** D.R. Mani, Ph.D., *Broad Institute*

**11:20** **Ovarian Cancer:** Karin Rodland, Ph.D., *Pacific Northwest National Laboratory*

 Hui Zhang, Ph.D., *Johns Hopkins University*

**11:40** **Colon Canecr:** Bing Zhang, Ph.D., *Baylor College of Medicine*

**12:00 Lessons from CPTAC DREAM Challenge: Adopting New Algorithm? & Missing Value Imputation.**

David Fenyo, Ph.D., *NYU School of Medicine*

 Pei Wang, Ph.D., *Ican School of Medicine at Mount Sinai*

**12:15 pm 12:15 Lunch**

 **1:00 Poster viewing**

**1:45 pm** **Data Jamboree: Proteogenomic Data Analysis Centers (PGDACs)**

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 This session is for PGDAC groups to convene and focus on the details of data analysis particulary on Endometrial, Kideny and Lung Adeno cancers. This session will discuss issues, bottlenecks, timelines, tools, coordination, approaches etc.

The Data Jamboree group will create a short slide presentation integrating main points/relevant approaches discussed, and **one** representative from that group will provide update (20 min + 10 for Q&A) at the main meeting in the morning of Day 2.

**4:45 NCI Proteome Data Commons (PDC)**

Chris Kinsinger, Ph.D., *NCI*

Mike MacCoss, Ph.D.*,University of Washington*

**5:15 pm Adjourn**

**DAY 2 - Wednesday , May 2**

**8:30 am** **Data Jamboree: Proteogenomic Data Analysis Centers (PGDACs)**

**8:30 Single Data Jamboree report back from Day 1 (20 min + 10 for Q&A)**

 Presenter: TBD

**9:00 am Breakout sessions: Disease & Tool/Software Training Centric**

Topics to be decided by science and data teams in March/April.

Diease related topics may include: Six Disease WGs action items, sample collection; tumor heterogeneity; LMD/core/bulk analysis; small scale proteomics; new PTM analyses; preparing for pan-can study, etc.

Software training topics may include: mature or nearly mature packages such as FireCloud and Docker modules; CPTAC ToolNet, WebGestalt, etc.

Two of the breakouts will be selected to present in the afternoon of Day 2. Selection should be driven by topics/projects having broad impact across CPTAC sites.

**12:00 pm 12:00 Lunch**

 **12:45 Poster viewing**

**1:30 pm Treatment Naïve Tumor Characterion Program**

 **Endometrial Cancer Program**

*Moderators:* Bing Zhang, Ph.D., *Baylor College of Medicine*

 David Fenyo, Ph.D., *NYU School of Medicine*

**1:30 Introduction to Proteogenomic Needs**, **Data Generation (PNNL PCC Team), Data Analyses (Oversight PGDACs – Baylor & NYU): Updates and Completion Timelines**

Presenters TBD

**Kidney Cancer Program**

*Moderators:* Pei Wang, Ph.D., *Ican School of Medicine at Mount Sinai*

 Alexey Nesvizhskii, Ph.D., *University of Michigan*

**2:15 Introduction to Proteogenomic Needs,** **Data Generation (JHU PCC Team), Data Analyses (Oversight PGDACs – Mt. Sinai & UMich): Updates and Completion Timeline**

Presenters TBD

**3:00 pm 3:00 Break**

 **3:15 Poster viewing**

**Lung Adenocarcinoma Program**

*Moderators:* D.R. Mani, Ph.D., *Broad Institute,*

Alexey Nesvizhskii, Ph.D., *University of Michigan*

**3:45 Introduction to Proteogenomic Needs, Data Generation (Broad PCC Team), Data Analyses (Oversight PGDACs – Broad & UMich): Updates and Completion Timeline**

Presenters TBD

**4:30 pm Report Backs From Morning Breakout Sessions**

*Moderator: Chris Kinsinger, Ph.D., NCI*

**4:30 Sample Accrual Report back (20 min presentation + 10 Q&A).**

Sample accrual presentation and discussion to be done as pre-work via e-mail and teleconference. Sample collection head to distribute a spreadsheet and any necessary text explanations on sample collection progress for each disease area and any associated issues in advance of the meeting.

**5:00 Selected breakout report: (20 min + 10 for Q&A)**

Presenters TBD

**5:30 Selected breakout report: (20 min + 10 for Q&A)**

Presenters TBD

**6:00 pm Adjourn**

**DAY 3 - Thursday , May 3**

**8:30 am Flash Talks: Other Supporting Programs**

*Moderator: Tara Hiltke, Ph.D., NCI*

**8:30 CPTAC Data Coordinating Center (DCC)**

Update on Data Upload, Assay Portal Progress and Timelines, and CDAP

Karen Ketchum, Ph.D., *ESAC Inc.*

[Nathan Edwards, Ph.D.*, Georgetown University*](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&cad=rja&uact=8&ved=0ahUKEwiWm86Op6zVAhVMMz4KHQNUBaMQFgg4MAM&url=http%3A%2F%2Fwww18.georgetown.edu%2Fdata%2Fpeople%2Fnje5%2Fcv.pdf&usg=AFQjCNHo6Vtbja4pFuJ7guRPKzqkC3fxbQ)

**8:50 QC Metrics/TMT overlabeling**

[Steve Stein , Ph.D.](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&cad=rja&uact=8&ved=0ahUKEwiWm86Op6zVAhVMMz4KHQNUBaMQFgg4MAM&url=http%3A%2F%2Fwww18.georgetown.edu%2Fdata%2Fpeople%2Fnje5%2Fcv.pdf&usg=AFQjCNHo6Vtbja4pFuJ7guRPKzqkC3fxbQ), [*National Institute of Standards and Technology*](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&cad=rja&uact=8&ved=0ahUKEwiZlLDt_dnVAhWoxFQKHYizCi8QFggmMAA&url=https%3A%2F%2Fwww.nist.gov%2F&usg=AFQjCNFzujGqOiwAPrFHfamIzqr1-nTw9Q)

**9:10 NCI’s Cancer Imaging Program Update**

Brenda Fevrier-Sullivan, *Cancer Imaging Program, NCI*

**9:20 Program Performance and Evaluation**

Christine Burgess, Ph.D., *Clarivate Analytics*

**9:30 am Open Discussion and Additional Breakouts**

**9:30 Open discussion and interaction on topics that have arisen in prior 2 days, including: activities that could integrate work being done in PCCs, PGDACs and PTRCs; interdependencies; challenges; manuscripts that could be developed.**

**10:30 am Break**

**10:45 Small group breakouts on topics defined by the science teams**

Topics TBD

**11:45 Two selected report backs**

 Topics TBD **0:15 am Pilot Projects Updates from PCCs (Yr 1 and Yr 2 sy**

**1:00 pm Adjourn**