ITCR Monthly Meeting

May 5, 2017

2:00 - 3:00 pm ET

[Join the WebEx Meeting](https://cbiit.webex.com/cbiit/j.php?MTID=m792e8a3829c3ac67ea17f080bd5247c5)

Join by phone:

1-650-479-3207 Call-in toll number

Access code: 738 170 557

*Reminder: Due to the large number of people on the call, it is important to put your phone on mute when not speaking. Please do not put your phone on Hold as this may broadcast on-hold music to the group.*

*To mute your phone within WebEx, hover over your name or phone number in the Participants list and click on the microphone icon on the far right.*

Agenda

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| --- | --- | --- |
| 2:00 - 2:05 | General Updates  2017 PI meeting May 31-June 1!  <https://itcr.soe.ucsc.edu>  New FOAs related to data re-analysis:  <https://grants.nih.gov/grants/guide/pa-files/PA-17-239.html>  <https://grants.nih.gov/grants/guide/pa-files/PA-17-243.html>  NCI Contact: Melissa Rotunno, rotunnom@mail.nih.gov  [IMAT-ITCR collaborative supplements](https://grants.nih.gov/grants/guide/pa-files/PA-17-143.html). Next receipt date is 7/25/2017. | Juli Klemm |
| 2:05 - 2:55 | Discuss research questions that can be explored using the Ivy-GAP dataset  IvyGAP [slides](http://nciphub.org/groups/itcr/File:TCIASept2016.pdf)  [Anatomic transcriptional atlas](http://glioblastoma.alleninstitute.org)  [Detailed clinical and genomic data](https://ivygap.swedish.org/home)  Radiology images are available through TCIA  Joel Saltz’s group creating a curated set of the pathology images.  Dr. Nadejda Tsankova - Icahn School of Med   * Fresh patient-derived samples, put into culture and animal models * Interested in drivers, transcriptional machinery that is being activated * RNA-Seq data, chromatin state. * Migration - what makes some cells more migratory vs proliferative? * Leading edge, invasion questions   Dr. Jose Otero, OSU   * Neuropathologist * Interested in improved patient testing * Goal: more objective molecular testing. But, challenges with molecular tests. False+/- * Are there better pathology subtype markers that can be more useful in the clinic for diagnosis, treatment support * Need objective image analysis techniques for actionable biomarkers * Multiplexing biomarkers on diagnostics slides - not currently on the diagnostic/clinical service * How could promising markers be implemented in the routine diagnosis process? * Digital pathology is in increasing use and offers new opportunities.   Dr. Elizabeth Gerstner, MGH   * Longitudinal nature of the data is particularly interesting. * Most ways of monitoring patients is through imaging. Need better markers of response. * Participant in the Ivy consortium. May be potential to access more data.   Is there genomic structure/mutation hotspot data?  Is there text data?  Spyros Bakas: Yes, there is RNA-Seq data.  What ITCR tools that can be applied to these questions with this dataset?  Guoqian: Do we need a common data model and identify what additional data elements are necessary?  Andrey - Start by confirming the known, existing relationships. These are where correlations might be found/possible.  Joel: This is like a TCGA working group. Similar conventions need to be established.  Pallavi - Is there localization of pathology with MRI? Radiomics and pathomics | [Dr. Nadejda Tsankova](http://labs.icahn.mssm.edu/tsankovalab/)  [Dr. Jose Otero](https://wexnermedical.osu.edu/neurological-institute/researchers/jose-otero-md-phd)  [Dr. Elizabeth Gerstner](https://connects.catalyst.harvard.edu/Profiles/display/Person/38556)  Joel Saltz  Jayashree Kalpathy-Cramer  Metin Gurcan |
| 3:00 | Adjourn |  |

When you join the meeting, please enter your name and institution below:

Trey Ideker, UCSD

Thomas G. Doak, Indiana/NCGAS

Juli Klemm, NCI

Helen Parkinson, EBI

Guoqian Jiang, Mayo Clinic

Carol Bult, JAX

Yi Qiao, University of Utah

Jingshan Huang, South Alabama

Martin Morgan, RPCI

John Freymann, FNLCR

Spyridon (Spyros) Bakas, University of Pennsylvania

Izumi Hinkson, NCI

Rachel Karchin, Johns Hopkins

Miguel R Ossandon NCI

Guergana Savova, BCH/HMS

Rudi Pillich (NDEx), UCSD

Grace Xiao, UCLA

Lee Cooper, Emory

Mary Goldman, UC Santa Cruz

Jing Zhu, UC Santa Cruz

Mervi Heiskanen, NCI

Bradley Broom, UT MD Anderson Cancer Center

Tim Griffin, U of Minnesota

Dinler Antunes, Rice University

Brian Haas, Broad Institute

Joel Saltz Stony Brook

Aaron Quinlan, U of Utah

Jose J Otero, Ohio State University

Alex Krasnitz, CSHL

Malachi Griffith, WASHU

Obi Griffith, WashU

Jill Mesirov, UCSD

Helga Thorvaldsdottir, Broad

Xiaomeng Huang, University of Utah

Anne Martel, sunnybrook Research Institute

Andrey Fedorov, BWH/HMS

Han Liang, MD Anderson

Betsy Hsu, NCI

Nathalie Pochet, BWH/HMS/Broad

ITCR Twitter Handle: #nciitcr

Website: <http://itcr.nci.nih.gov>

ITCR Meeting Materials, Schedules, and other Resources: <https://nciphub.org/groups/itcr>

GoogleDocs for past meetings: <https://drive.google.com/drive/folders/0BzGsmNN8MvZqeWViY0xCMmRMTDQ>