ITCR Training and Outreach Working Group

Thursday, November 9, 2017 Meeting Notes

4pm Eastern

Toll-free: 855-259-6342; \*\*Conference Code: 40152#; \*\* Security PIN: 256871#

WebEx When it's time, [Join Meeting.](https://cbiit.webex.com/cbiit/e.php?MTID=m5142a86eb7872cc8b8e671a3075c1e6d)

**Google Doc for the Meeting:**

[ITCR-TOW-Nov-2017](https://docs.google.com/document/d/1XcEVdY0lm_cml7IHXWsMoex1p9A-FaI0_UWitCwWQzY/edit)

TOW [Meeting Planning Document](https://docs.google.com/document/d/1q1t9E74FXQrCLtOfK5uz-Bk8MLhmualzizOoQJyVfjI/edit#heading=h.rt1vjdjjo6ey)

**Attendees: Please sign in!!**

Mike Ryan, JHU / MD Anderson

Mary Goldman, UC Santa Cruz

Anand S. Merchant, NCI CCR

Simina Boca, Georgetown U Med Center

Mervi Heiskanen, NCI

Tali Mazor, DFCI

Brian Haas, Broad Institute

Vince Carey, HMS

Michael Reich, UCSD

David Hanauer, U of Michigan

Andrey Fedorov, BWH/HMS

Hiro Yoshida, MGH/HMS

Izumi Hinkson, NCI

Hayley Dingerdissen, GWU

Rudi Pillich, UCSD

Chakra C., Pitt

Ting-Chia Chang, GWU

**Agenda/Minutes**

1. General Announcements
   * New ITCR [website](https://itcr.cancer.gov/) and [Computer Resources](http://cancerres.aacrjournals.org/CompRes) special issue released.
2. Outreach Activities (type in here)
   * UCSC Workshop for UCSC Xena
   * CRAVAT - American Society of Human Genetics in Orlando - conducted Workshop for 100+ attendees.   Good feedback.
   * cBioPortal workshop at DFCI next week
   * Broad Institute - rna-seq analysis, ‘programming for biologists’, CSHL, 2 weeks ago.     Also, @ CSHL next week for ‘advances in sequencing technology’ workshop including a Trinity/rna-seq section.  (bhaas)
   * BWH QIICR - presentation at the Alliance for Clinical Trials in Oncology meeting (as part of the effort to advertise quantitative imaging tools to that community by the NCI Quantitative Imaging Network (QIN))
   * GenePattern Notebook: [Cancer Cell Map Initiative (CCMI)-sponsored full-day workshop](http://www.ccmi.org/2017-genepattern) at UCSD, 11/7, 35 attendees
3. [Poll for December TOW meeting](https://docs.google.com/forms/d/e/1FAIpQLSesKmNYVLwP39WXzG4ZZYiiBLjeozZQupJPrkmmJqtJwv8-Hw/viewform) → Pick your top **three (3)** topics of what you would like to discuss at our next TOW meeting in December
4. 4:15 - 4:30: Guest Speaker - **Anand Merchant.** Anand Merchant is the Scientific Manager for the Bioinformatics Training and Education Program (BTEP), which aims to educate scientists at NCI and NIH on understanding the fundamentals of data analysis and incorporating best practices when using bioinformatics approaches for analyzing their research data. The BTEP program has frequently hosted workshops from ITCR supported tools, including WebMeV, Cistrome, MuPIT, CRAVAT, and UCSC Xena. Classes have also been organized for other tools such as Bioconductor and cBioPortal, prior to their inclusion into the ITCR portfolio. Anand will be sharing what he has learned through this effort on what makes a good, successful workshop.

Slides posted [here](https://nciphub.org/groups/itcr/training_and_outreach_working_group_teleconference)

Q&A

Handouts vs. sharing slides: handouts supplemental material, not the same content as on the slides. Also share slides.

Include in the WS announcements: who will benefit, purpose of the tool, what type of data is supported by the tool. Will help to get the right people to attend.

Several small modules, hands on, usually work well.

Trinity: Github link with materials

Example:

<https://github.com/trinityrnaseq/RagonInst_Sept2017_Workshop/wiki>  (see table of contents at right for navigation)

Difficult to predict computation resources

Google docs for more GUI users as a way to have a github like place for materials

Share slides?

Making prerequisites very clear, install software, etc. Use docker so only need a web browser. Do one or two big machines on the cloud, then do one docker image per student

1. 4:30-5:00: General discussion on the experience of each ITCR participant on their experiences giving workshops