ITCR Training and Outreach Working Group

Thursday, January 11, 2018 Meeting Notes

4pm Eastern

Meeting phone number: 1-650-479-3207

Meeting number (access code): 733 094 302
WebEx When it's time, [Join Meeting.](https://cbiit.webex.com/cbiit/j.php?MTID=m62939de65fa516e90c3943c42ea745cd)

Meeting password: TrainingWG2017!

**Google Doc for the Meeting:**

[ITCR-TOW-Jan-2018](https://docs.google.com/document/d/1GRvXZns7QHmZRU5-b-bAUSbcihWoIt_JeYPzLdnUfvw/edit)

**Attendees: Please sign in!!**

Mike Ryan, JHU / MD Anderson

Mary Goldman, UC Santa Cruz - Attending AACR, poster, happy to participate

Mervi Heiskanen, NCI - Attending AACR

Juli Klemm, NCI --Attending AACR

Bradley Broom, MD Anderson

Martin Morgan, Roswell Park

Tali Mazor, DFCI - Attending AACR, presenting cBioPortal poster, happy to participate in education day

Michael Reich, UCSD - Attending AACR, presenting GenePattern Notebook poster, glad to participate

Mark Bergman, UPenn

Shirley Liu, DFCI

Leah Mechanic, NCI

Izumi Hinkson, NCI

Obi Griffith, WashU -- Attending AACR, presenting CIViC in another education session

Hiro Yoshia, MGH/HMS

Hayley Dingerdissen, GW

Rudi Pillich, NDEx

Rao Divi, NCI

Simina Boca, Georgetown

Jerry Li, NCI

**Agenda/Minutes**

1. General Announcements
	* February TOW will be 1 hour earlier (Thursday, February 8th at 3p Eastern)
		+ This is to accommodate our speaker: Jonah Duckles from [Software Carpentry](https://software-carpentry.org/)
2. Outreach Activities (type in here)
	* GenePattern Notebook all-day workshop, 12/15, UCSD, [https://www.eventbrite.com/e/integrative-genomic-analysis-with-genepattern-registration-39662726282#](https://www.eventbrite.com/e/integrative-genomic-analysis-with-genepattern-registration-39662726282)
	* Shirley Liu gave an NCI Webinar on the Cistrome on 1/9/2018.
3. AACR ITCR Education Session - Shirley Liu [AACR](http://www.aacr.org/Meetings/Pages/MeetingDetail.aspx?EventItemID=136) (April 14-18 in Chicago)
	* Obi also on educational committee for AACR
	* Educational sessions on Saturday
	* Usually runs for 2 hours, 4 speakers, but proposed we have 8 speakers for 15 min each.
	* Don't need reimbursement for travel - plan is to recruit volunteers who already planned to attend AACR
	* Focus on tools related cancer genomics this year, next years clinical and imaging
	* Audience: experimental audience. Keep it focused on specific functionality rather than comprehensive
	* Need to be there Friday night because not sure if in morning session or afternoon session
	* Don't want to focus as much on computational tools for computational biologists. Want to focus on research biologists. Don't go into algorithms
	* Educational session is a bit less hands on, bc it's a seminar room.
	* 200 participants
	* Very important to not go over time. AACR is very tight. So, make it 12-13 min so there's time for questions and buffer time in general
	* Do an intro session so that know what the ITCR program is and highlight other posters and presentations by ITCR folks at AACR
	* Flyer with other ITCR posters and presentations available at the session for participants
	* Tools/Groups Attending AACR and willing to present:
		+ Juli - Intro
		+ CRAVAT - Rachel Karchin
		+ R / Bioconductor - Martin Morgan
		+ Cistrome - Shirley Liu
		+ Next-Generation Clustered Heat Maps - John Weinstein / Bradley Broom
		+ cBioPortal - Tali Mazor
		+ GenePattern Notebook / IGV - Michael Reich
		+ Xena - Mary Goldman
		+ NDEx - Dexter Pratt (to be confirmed)
	* Other tools to consider (call for volunteer presenters or see above)
		+ Galaxy
		+ Trinity?
		+ OncoMX?
4. ISMB Special Session - [ISMB](https://www.iscb.org/ismb2018) (July 6-10 in Chicago)
	* Proposals due Jan 30th. [Proposal guidelines](https://www.iscb.org/ismb2018-submit/specialsessions)
	* Need a snappy title - [ISMB Special Sessions Titles from 2017](https://www.iscb.org/ismbeccb2017-program/special-sessions)
		+ Engaging with Collaborative Information Technology on the Leading Edge of Cancer Research
		+ Tools Integration
		+ Open Source
		+ Community-driven?
		+ Researcher-driven?
		+ Community-building?
		+ Open source informatics to advance cancer care continuum
		+ ‘Join the fight on cancer’ Cutting edge open source informatics tools. Something less masculine than ‘fight’? -> 'Join the cure for cancer' ? 'Join the resistance against cancer' ?
		+ In support of FAIR
	* Need to be clearly distinct from the TransMed COSI, <http://www.transmedit.org/TransMed_2018>
	* Strawman outline for the session:
* Full day, 8:30 – 4:00
* 11 Talks, 30 minutes each (including Q&A)
* Emphasis on scientific impact and collaboration.
* How about a keynote by an end user (like a cancer center director or someone who understands the gaps and needs in the cancer care continuum) who highlights the real world informatics gaps and needs?

**Ongoing**

* Consider a booth on the exhibit floor with “office hours” for ITCR participants to meet with interested attendees. The organizers actually suggested that we consider a booth, so this may work in our favor.

**Overall Format**

Morning: Talks and demos

Afternoon: Interactive sessions

Draft Agenda

**8:30 – 8:40 - Intro and Welcome**

**8:40 - 9:30 - Keynote highlighting cancer informatics needs (suggestions welcome)**

Session 1 “Engaging the cancer research community”

Examples: Crowds Cure Cancer, Civic, PDX Integrator, etc.

9:30 - 9:50 Talk

9:50 - 10:00 Flashtalk/Demo

10:00 - 10:10 Flashtalk/Demo

10:10 - 10:20 Flashtalk/Demo

**10:20 – 10:50 – Coffee Break**

Session 2 “Deep Learning in Cancer Research”

Examples: QuIP, MADE, OSUMO, etc.

10:50 – 11:10 Talk

11:10 – 11:20 Flashtalk/Demo

11:20 - 11:30 Flashtalk/Demo

11:30 - 11:40 Flashtalk/Demo

Session 3 “Integrative Analysis” <highlighting ITCR collaborative projects>

11:40 - 12:00 Talk

12:00 – 12:10 Flashtalk/Demo

12:10 - 12:20 Flashtalk/Demo

12:20 - 12:30 Flashtalk/Demo

**12:30 – 2:00 - Lunch Break**

Session 4: Engaging the Developer Community (2:00 - 4:45)

Ideas:

* Three projects each have a short exercise, ~45 min each, for the participants, running in series
* Set-up instructions would be made available at the beginning of the day
* Given the time, may be very scripted but would provide an opportunity for some hands-on work

 2:00 - 2:45 - Project 1

 3:00 - 3:45 - Project 2

 4:00 - 4:45 - Project 3

Audience: technical interest in the audience. But still tie into scientific use of the tool. Also a place to call for plugin developers for your tool.

Suggestion: also could have different types of talks: keynotes, flashtalks, etc. as a way to keep participants engaged (similar to TransMed); also live demos

Session topics

* Deep learning
* Collaboration
* Hackathon-type session?
* Engaging other developers - highlight projects that have strong developer communities
* Could have a hackathon in concert with other sessions. Need organization ahead of time.
* Alternate: could have a BoF. Note that BOSC audience will be available (BOSC not with ISMB this year). Leverage known topics of interest. Use an “un-meeting” approach
* Community Bazaar -- groups set up ‘tables’ / meeting points at one of the sessions at the end of day / before lunch or something, manning them to provide audience a chance to interact one-on-one
* Google doc or sheet or… where the audience can ‘sign up’ as collaborators or interested in more info or something, but live & consulted during the meeting so that the bored has somewhere to go (mentally) without losing focus.