ITCR Training and Outreach Working Group

January 8, 2015 Meeting Notes

Dial in: 1-866-910-4857

Moderator passcode: 3236906#

Participant passcode: 323690#

Outreach/Explanation Video - Concept description available at  <http://goo.gl/ZTXali>

U24 Outreach Videos currently available (\*\*=new since last time):

MuPIT/CRAVAT <http://youtu.be/bVEXOtX0gMk>

\*\*TRINITY <http://youtu.be/9ky5NwV45qY>

\*\*cTAKES <http://youtu.be/TpGZIKEDYMw>

\*\*TIES/TCRN <http://youtu.be/EzjAo9LJ4tg>

[Attendees -- P](http://goo.gl/cQdfHI)lease sign in!

Rebecca Crowley Jacobson (Pitt)

Brian Haas (Broad)

Mary Goldman (UCSC)

Mike Ryan(JHU)

Juli Klemm (NCI)

Ishwar Chandramouliswaran (NCI)

Andrey Fedorov (BWH)

Bobbie-Jo Webb-Robertson (PNNL)

Jerry Li (NCI)

Hiro Yoshida (MGH)

Agenda

1. Update on CCR Training
   1. MuPIT/Cravat will be invited for mid-March time frame. March 19th Class at CCR. Mostly folks doing exome sequencing. Will be taught as series as exercises. In person with 1 or 2 other people to look over shoulders.
      1. Brian: It would be great to record and put on Youtube if possible.
   2. Cytoscape Group might be another good candidate for CCR training. Maggie and Jerry planning on reaching out to Trey et al.
2. Announcements from Groups/Program on any new Training and Outreach activities
   1. CI4CC Presentation (Juli)
      1. On Agenda for March 30 - April 1st meeting in Washington. We have 25 minutes on Tuesday, March 31st afternoon (and we are next to the BD2K. Still no answer on demo table.
      2. Funding Opportunity as well as resources that will emerge from the program.
   2. Juli is drafting content for ITCR fact sheet. Potentially useful for AACR. Will include information about funding opportunity as well as projects. Training assets collection is here <https://nciphub.org/groups/itcr/collections/itcr-training-assets> . I suggest uploading each as a ‘resource’ like this one: <https://nciphub.org/resources/781>
   3. Social Media Biostars and SeqAnswers. Is it best to wait until someone posts a question?
      1. Slicer has a Google+ community: <https://plus.google.com/communities/105715968666294296532>
      2. What about outreach to those who do not know about your tool?
3. Outreach Videos ~
   1. All who did videos should upload these
   2. Experiences of groups who accomplished this since last time.
   3. Brian Haas ~ Trinity (Brian please add). This video is first of a series. Provides initial overview of tools to be the provided. Later videos could include separate workflows.
      1. Who is your audience?
         1. anyone with RNA-Seq data.
      2. What process did you use?
         1. Snagit - one long video. Lots of startovers until you get a decent take. Then edit out portions.
      3. Lessons learned (technical and otherwise)?
      4. Time - approximately one day for everything. But Brian had slides already.
   4. Rebecca Jacobson ~ TIES/TCRN

Audience:  TIES has to be deployed by an institution (it is “enterprise” software), so a big part of our outreach is to institutional leaders. Thus, our first audience is AHC Research Leadership, Security and Privacy Officers, IRB, IT Leadership, Regulatory and Compliance). Once deployed, we have a second audience - translational scientists. We are creating two separate outreach videos.

Total time~ 3 weeks (of partial effort; roughly 35-45 hours total)

**Script (~1 week)** but changed a lot throughout the process. Hardest part was deciding what to leave out. We tried to really think about (1) the audience and (2) our goal.

**Video (~2 weeks)**  – Prezi presentation took most of that time; captured with Camtasia Software

**Screencasting and mixing/editing (~3 hours)**

Software:

* Prezi       <https://prezi.com/>

Can use free version, although we used PRO so that we could work on desktop; that helped with the screencasting (~~~$160~~    edu license ~$60)

* Hired online through Voice123 (<http://voice123.com/>)

Auditions are free. You set the price. Selected individual  was paid $150 through Paypal. 1 day turnaround. He did three takes.

* Camtasia    <http://www.techsmith.com/camtasia.html>

Used Trial version

Recording screencast after the audio was done (in fact we played while we screencasted to get timing right). That made it MUCH easier to mix and edit

* MovieMaker <http://windows.microsoft.com/en-us/windows-live/movie-maker>

Free

* **Music**[http://freemusicarchive.org](http://freemusicarchive.org/)

Free

**Other software for video editing:**

Ishwar has suggested <http://www.telestream.net/screenflow/overview.htm> (Mac only)

Mike used MovieMaker. So did Rebecca.

**Screencasting:**

Here are some other tips as well based on use by Khan Academy: <http://www.onlineuniversities.com/blog/2012/04/de-mystifying-khan-academy-screen-capture-for-educators/>

**YouTube suggestions for formatting:** <https://support.google.com/youtube/answer/1722171?hl=en>

* 1. Other U24 groups that are  invited and encouraged to complete outreach videos:
     1. 3D Slicer
     2. Cancer Genome Browser
     3. Cistrome
     4. MeV
     5. Bioconductor
     6. Cytoscape

**Discussion Question: How do we get to potential users who do not know about our software?**

1. Figure out where the users are going:
2. Websites where users post questions
   1. Biostars and SeqAnswers
   2. <https://www.biostars.org/>
   3. <http://seqanswers.com/>
   4. StackOverflow ? <http://stackoverflow.com/>
      1. for example, see search results for “gene expression” on StackOverflow: <http://stackoverflow.com/search?q=gene+expression>

B. Make sure they can find us

1. Search Engine ~ Google crawler ( search engine optimizer guide <http://static.googleusercontent.com/media/www.google.com/en/us/webmasters/docs/search-engine-optimization-starter-guide.pdf>
2. For next time….Use of Social Media, Web, and other Outreach mechanisms to get to the individuals who may need your software.
   1. Let’s each go find someone with some expertise in this area and do a little research for next time. I’ll try to send out the Notes page in advance and you all can add ideas and references in.

**More resources for bioinformatics communities:**

Some Public bioinformatics community Forums: not all may be relevant but can be considered:

[bioinformatics.org](http://bioinformatics.org/) and Canadian bionfo community.

Force11 community

Mozilla science community

science-iwg@eclipse.org

lts-iwg@eclipse.org

location-iwg@locationtech.org

open-science-de@lists.okfn.org

NIH BD2K and BISTI community

**Very relevant report from BD2K group:** <http://softwarediscoveryindex.org/report/>

**Previous Meeting Notes**

October 14, 2014 [goo.gl/NhccyM](http://goo.gl/NhccyM)

September 16, 2014 [goo.gl/cQdfHI](http://goo.gl/cQdfHI)

November 13, 2014 [goo.gl/Vc5fMs](http://goo.gl/Vc5fMs)

December 11, 2014    [goo.gl/uCU0Bu](http://goo.gl/uCU0Bu)