

Bioc Technical Advisory Board Agenda

7 May 2020

Bluejeans: <https://bluejeans.com/272538961>

Attending: Martin Morgan, Charlotte Sonesson, Levi Waldron, Vince Carey, Sean Davis, Rafael Irizarry, Stephanie Hicks, Kasper, Matt Ritchie, Aedin Culhane, Laurent Gatto (late)

Regrets: Wolfgang Huber

Schedule

:00 - :05 Minutes

- 2020-04-02 [minutes](#)

:05 - :20 Material for review

- Highlights
 - R 4.0 / Bioc 3.11 releases
 - Community Advisory Board: membership & first meeting notes
 - U24 & CZI seed network progress reports due in the foreseeable future; CZI 'virtual site visit. U24 (core grant, previously U41) panel dates? 06/09/2020
- Funding
 - [U41](#): (NHGRI; core) Renewal submitted (as U24) January 24.
 - [U24](#): Monthly coordination meetings; private slack channel
 - [AnVIL](https://anvilproject.org): <https://anvilproject.org>: bi-weekly bioc meetings, public [slack](#); weekly tech calls. Bioconductor-specific [progress](#).
 - [CZI seed network](#): monthly meetings, private slack
 - CZI EOSS (Vince)
 - Other opportunities?
 - CZI EOSS call "The third distinct cycle will open mid-June 2020."
 - NSF Conferences -- [Computational literacy](#)
- Events
 - BiocAsia: [2020](#): Beijing Oct 17-18.
 - BiocEurope: Padova, Italy - Davide Risso as local host. Date not confirmed yet.
 - [Bioc2020](#): Boston July 29-31. Public [slack](#).
 - CSAMA 21-26 June 2020: Postponed to 2021
 - Other
- Community Advisory Board
 - [Minutes from first meeting](#)
 - Website [live](#)
- Committees
 - Code of Conduct Committee (Levi, with Stephanie): nothing to report
- Working groups

- Carpentries training (Laurent)
- Developer forum (Michael, Martin): ongoing activities
- Fluent Genomics (Michael): nothing to report.
- Build system / continuous integration (Vince): nothing to report. BiocBBSPack, binaries linked to containers
- Other:
 - [European Bioconductor Foundation](#) (Laurent / Wolfgang / Simone B.)

:20 - :35 - BioC 2020

- Update on 2020 conference strategy and timeline
 - Workshops:
 - Workshop package approach (leverage github actions for automation)
 - Individual workshop websites (default based on pkgdown)
 - Individual docker container per workshop (with Dockerfile customization by workshop authors)
 - Binder-like “click to run” button per workshop; both Rstudio and Jupyter interfaces available
 - One landing page listing workshops and links to resources
- Liabilities (thank you Erica for figuring all this out):
 - Simmons has closed for the summer and will refund our deposit of \$1500
 - Martin Conference Center (as of Tuesday) is closed to large meetings for the summer. They are offering to refund our deposit or we can reschedule for a later date.
 - The Marriott Brookline will not refund our deposit if we cancel (\$3128) but is open to rescheduling at a later date with no or limited penalties.
 - The only other fees we are liable for are the Paypal and Eventsmart fees that run our registration site (about \$800).
- Brainstorming on Google Doc [Virtual conference notes](#) and [sli.do](#) #52549
- workshop committee will have frequent meetings until virtual conference is established
- APPROVED: Bioc 2020 a virtual conference in the same week in July; exact format to be determined.

:35 - :45 [Technical Advisory Board](#) membership

- Now is the time to seek new nominations, but none of our terms are expiring. Goal is to have 3-year terms with 1/3 of positions expiring each year.
 - Volunteers to stand for re-election: Robert Gentleman, Aedin Culhane, Sean Davis, Michael Lawrence, Matt Ritchie
- Will make call for nominations & self-nominations

Tabled

:45 - 60 Working with large data

- Review of resources available in Bioconductor
 - Traditional databases
 - HDF5 - on disk, or in object storage (local or in cloud)
 - RESTful query of defined resources, e.g., GenomicDataCommons
 - ...
- Limitations and challenges
 - Lack of access to newer (??) approaches
 - Far from transparent use
 - Computational scalability strategies, either in classic HPC clusters or on the cloud
- Prioritized needs / paths to improvement