

CAGI slide pack guidelines

I agree to my slides being used according to the following terms:

_____ *Vikas Pejaver* _____

- Authors: please include THIS slide at the beginning of your presentation to indicate that you agree with reuse of your slides in CAGI presentations, according to the terms below, and digitally sign by writing your name above.
- To disseminate the CAGI results, I encourage all CAGI participants to remix these CAGI slides for inclusion in their oral and poster presentations
- CAGI participants may use or publish any content of these slides only in compliance with the CAGI Data Use Agreement
- CAGI participants may not cite or publish any content of these slides except with the written permission of the originating author or in the primary CAGI publications
- CAGI participants must acknowledge the original authors of these slides and CAGI 2013. Include the acknowledgement banner across the bottom
- CAGI participants must include the CAGI credits slide in their presentations
- Slides with a red slash (no remix) may not be included in a presentation unless all attendees are registered CAGI participants who signed the data use agreement
- Slides with a red X over the entire slide may not be used in any circumstances
- Slides with a blue slash (embargoed) may not be used unless the embargo is explicitly lifted
- Slides without slash or X may be tweeted unless flagged with the “No tweet” icon.
- CAGI participants using these slides must explain the “No tweet” icon, which means that the slide content should not be disseminated outside the presenting conference hall. If the presentation venue permits pervasive tweeting, you may not include these slides in your talk
- Note for slide authors: we expect all CAGI participants to abide by these restrictions, and will make best effort to ensure they are followed. However, but bear in mind that we have limited means of enforcing them, and therefore the restrictions cannot be guaranteed.



CAGI Salon: inspirations for the future

Vikas Pejaver

CAGI* Workshop

December 6, 2019



Background and motivation

- Students and postdoctoral fellows have contributed significantly to CAGI
- **What are trainees' perspectives on:**
 - **Past CAGI challenges and meetings?**
 - **Lessons learned and areas for improvement?**
 - **The future of CAGI and its broader role in the community?**
- A forum completely organized and led by non-PIs
- Virtual sessions were held before today's meeting to ensure widest possible participation

The setup

- Started with concrete questions/prompts provided to us by CAGI organizers
- Trainees were contacted through email:
 - Participants in previous challenges
 - Past attendees of the CAGI conference
 - Other trainees in this field
- Created a shared document and circulated among interested trainees
- Trainees contributed:
 - Thoughts on these questions
 - Questions of their own
- Two 90-minute Zoom sessions

Participants

- **Gaia Andreoletti**, University of California San Francisco
- **Constantina Bakolitsa**, University of California Berkeley
- **Joanne Berghout**, University of Arizona
- **Marco Carraro**, University of Padua
- **Panagiotis Katsonis**, Baylor College of Medicine
- **Kymberleigh Pagel**, Johns Hopkins University
- **Lipika Pal**, University of Maryland College Park
- **Vikas Pejaver**, University of Washington
- **Alin Voskanian-Kordi**, University of Maryland Baltimore
- **Yanran Wang**, Rutgers University
- **Colin C. Young**, University of Utah

Two main themes emerged

1. Evaluation and assessment in CAGI

- How to have more consistent assessment?
- How to overcome the limitations of experimental data?
- What to do with non-participant methods (baselines; new methods)?
- Is there a way to house the submitted methods or require the submitters to make them available within a set time? Basically, how can we make the submitters methods more accessible?
- How to make more relevant challenges?
- What to do with polygenic risk scores; is there a role?
- **Presenter: Kymberleigh Pagel**

Two main themes emerged

2. Broadening impact and participation in CAGI

- How to widen participation from the predictor community? How can we facilitate the application of deep learning in genome interpretation? Can we design the challenges in that line or can we engage deep learning related persons in this endeavor?
- How to have CAGI results be more broadly used? How can we decrease the gap between our predictions and clinical usefulness? How do we make CAGI more visible in the user and predictor communities?
- Can we invite some leading companies and leading academic groups in the field and let them express their opinion about CAGI – how can we maximize participation from them?
- How to engage those who actually analyze exomes?
- How to recognize participants (papers, letters of support etc.)?
- How to better support non-PIs and career opportunities?
- **Presenter: Lipika Pal**

Acknowledgments

- Steven E. Brenner and Predrag Radivojac
- Constantina Bakolitsa
- Participants
- CAGI* Workshop Travel Fellowship