

# Conference Program

25 March 2016

## Registration and Continental Breakfast

8:00 - 8:45 am

## Welcome and Overview

8:45 am Steven E. Brenner and John Moulton

## NAGLU

9:15 am Jonathan H. LeBowitz, BioMarin Pharmaceutical,  
data provider

9:35 am Wyatt T. Clark, BioMarin Pharmaceutical, assessor

9:55 am Sean D. Mooney, University of Washington, predictor

10:10 am Roland Dunbrack, Fox Chase Cancer Center, predictor

## Coffee Break

10:25 - 11:00 am

## SUMO ligase

11:00 am Frederick Roth, University of Toronto, data provider

11:20 am Nick Grishin, UT Southwestern, assessor

11:40 am Panagiotis Katsonis, Baylor College of Medicine, predictor

11:55 am Yizhou Yin, University of Maryland, predictor

## The CAGI Ethics Forum

12:10 pm Barbara A. Koenig, UC San Francisco

## Lunch and Poster Session

12:30 - 2:30 pm

## Assessor "Office Hours"

1:30 - 2:30 pm NAGLU, SUMO ligase, NPM-ALK, Pyruvate kinase

## **25 March 2016**

### **NPM-ALK**

2:30 pm Silvio C.E. Tosatto, University of Padua, assessor

2:55 pm Giulia Babbi, University of Bologna, predictor

### **Pyruvate kinase**

3:10 pm Aron Fenton, University of Kansas Medical Center,  
data provider

3:30 pm Roland Dunbrack, Fox Chase Cancer Center, assessor

### **Coffee Break**

3:50 - 4:25 pm

### **Pyruvate kinase (continued)**

4:25 pm Olivier Lichtarge, Baylor College of Medicine, predictor

4:40 pm Samuele Bovo, University of Bologna, predictor

4:55 pm Gyu Rie Lee, Seoul National University, predictor

### **Discussion of Missense Variant Challenges**

5:10 - 6:00 pm

### **Reception**

6:00 - 7:00 pm

## 26 March 2016

### Registration and Continental Breakfast

8:00 - 8:45 am

### eQTL-causal SNPs

8:45 am Ryan Tewhey, Broad Institute, data provider  
9:05 am Anat Kreimer, UC Berkeley, assessor  
9:25 am Sunduz Keles, University of Wisconsin, predictor  
9:40 am Haoyang Zeng, MIT, predictor  
9:55 am Michael Beer, Johns Hopkins University, predictor  
10:10 am Discussion

### Coffee Break

10:30 - 11:00 am

### Crohn's exomes

11:00 am Alexander A. Morgan, Stanford University, assessor  
11:30 am Lipika Ray, University of Maryland, predictor  
11:45 am Johnathan R. Azaria, Bar-Ilan University, predictor  
12:00 pm Manuel Giollo, independent, predictor (remote presentation)

### Lunch and Poster Session

12:15 - 2:00 pm

### Advisory Board & Scientific Council

12:30 - 2:00 pm

### Assessor "Office Hours"

1:00 - 2:00 pm eQTL-causal SNPs, Crohn's exomes, Bipolar exomes, Warfarin exomes

## 26 March 2016

### **Bipolar exomes**

- 2:00 pm Alexander A. Morgan, Stanford University, assessor
- 2:30 pm Lakshman Sundaram, University of Florida, predictor
- 2:45 pm Yanran Wang, Rutgers University, predictor
- 3:00 pm Marco Carraro, University of Padua, predictor

### **Warfarin exomes**

- 3:15 pm Roxana Daneshjou, Stanford University, data provider/assessor
- 3:35 pm Matthew Edwards, MIT, predictor

### **Coffee Break**

3:50 - 4:25 pm

### **Discussion of Exome Challenges**

4:25 - 5:15 pm

### **PGP**

- 5:15 pm Madeline P. Ball, Harvard University, data provider  
(remote presentation)
- 5:35 pm Sean D. Mooney, University of Washington, assessor
- 5:55 pm Rachel Karchin, Johns Hopkins University, assessor
- 6:10 pm Mario Stanke, University of Greifswald, predictor  
(remote presentation)
- 6:25 pm Discussion

## 27 March 2016

### Registration and Continental Breakfast

8:00 - 8:45 am

### Hopkins clinical panel

8:45 am Bethany Buckley, Johns Hopkins University, data provider

9:05 am Aashish Adhikari, UC Berkeley, assessment

9:20 am Shamil Sunyaev, Harvard University, variant assessment  
(remote presentation)

9:40 am Kunal Kundu, University of Maryland, predictor

9:55 pm Sohela Shah, QIAGEN, predictor

10:10 am Yao Fu, Bina Technologies, predictor

### Coffee Break

10:25 - 10:55 am

### Hopkins clinical panel (continued)

10:55 am David T. Jones, University College, London, predictor  
(remote presentation)

11:10 am Discussion

### SickKids clinical genomes

11:40 am Stephen Meyn, The Hospital for Sick Children,  
data provider/assessor

12:10 pm Discussion, led by Stephen Meyn

Shamil Sunyaev, Harvard University (remote panelist)

Jan Zaucha, University of Bristol, UK, predictor

Lipika R. Pal, University of Maryland, predictor

Chris Mungall, Lawrence Berkeley National Laboratory, predictor

Jules Jacobsen, Wellcome Trust Sanger Institute (remote panelist)

Aditya Rao, Tata Consultancy Services, predictor

### Lunch

12:45 - 2:00 pm

### Assessor "Office Hours"

1:00 - 2:00 pm PGP, Hopkins clinical panel, SickKids clinical genomes

## **27 March 2016**

### **The Future of CAGI**

2:00 - 2:30 pm CAGI 4 publication plans

2:30 - 4:30 pm Unconference

Coffee provided

Possible topics include:

Breakouts by challenge class

CAGI Ethics Forum

Recruiting challenges

Improving the assessor and predictor experience

Expanding the community

4:30 - 5:15 pm Conclusions

CAGI 4 highlights

Unconference report-backs

CAGI 5 plans