

# GP-write Meeting Agenda

MAY 1, 2018 • BOSTON, MA

## **GP-write: A Grand Challenge Using DNA Synthesis, Gene Editing and Other Technologies to Understand, Engineer and Test Living Systems**

This meeting will be a scientific working meeting, where the GP-write Working Groups will report on their progress and present their charters and roadmaps. Break-out sessions will be held to discuss areas of overlap between groups and enable open discussion and synergy.

---

### **8:00 – 8:30 | REGISTRATION AND CONTINENTAL BREAKFAST**

---

### **8:30 – 8:40 | WELCOME TO HARVARD MEDICAL SCHOOL**

Overview of the Meeting, Nancy J Kelley, Nancy J Kelley & Associates (10 minutes) (Confirmed) (8:40)

---

### **8:40 – 9:30 | OVERVIEW OF PROJECT: FROM READING TO WRITING GENOMES**

- Jef Boeke, NYU Langone Medical Center, George Church, Harvard Medical School | Evolution of GP-write and Progress to Date (20 minutes) (Confirmed) (9:00)
- GP-write Scientific Executive Committee: Roundtable discussion amongst Jef Boeke, NYU Langone Medical Center, George Church, Harvard Medical School, Pam Silver, Wyss Institute, Farren Isaacs, Yale University (30 minutes) (Confirmed) (9:30)
  - Announcement of first, large-scale community-wide project
  - Key Questions
  - Scientific Roadmap and Milestones

---

### **9:30 – 11:00 | GP-WRITE WORKING GROUP PRESENTATIONS AND DISCUSSION**

(Presentations by Moderator with panel discussion)

- Social, Legal and Ethical Issues, Carolyn Chapman, NYU Langone Medical Center, Division of Medical Ethics (30 minutes) (Confirmed) (10:00)

Panelists:

- Gigi Gronvall, Johns Hopkins Center for Health Security
  - Jeantine Lunshof, MIT Media Lab
  - Robert Smith, University of Edinburgh
- Technology and Infrastructure Development, Nili Ostrov, Harvard Medical School (30 minutes) (Confirmed) (10:30)

Panelists:

- Jeffery A Schloss, Independent Consultant
  - Axel Trefzer, Thermo Fisher Scientific
  - Giovanni Stracquadanio, University of Essex
  - Ben Gordon, MIT Broad Foundry for Synthetic Biology
- High Performance Computing and Bioinformatics, Chris Dwan, Bridgeplate (30 minutes) (Confirmed) (11:00)

Panelists:

- Select members of Computing/ Bioinformatics Working Group

---

## 11:00 – 11:30 | BREAK

---

## 11:30 – 1:00 WORKING GROUP PRESENTATIONS AND DISCUSSION (continued)

- Safety Engineering, Farren Isaacs, Yale University (30 minutes) (Confirmed) (12:00)

Panelists:

- Neal Stewart, Institute of Agriculture, University of Tennessee
  - Peter Carr, Lincoln Laboratory
  - Brad Schmier, Memorial Sloan Kettering Cancer Center
  - Michael Chou, Harvard Medical School
- Standards, Quality Control and Reporting, Jake Beal, BBN Raytheon (30 minutes) (Confirmed) (12:30)

Panelists:

- Leslie Mitchell, NYU Langone Medical Center
  - Bryan Bartley, BBN Raytheon
  - Jonathan Karr, Icahn Institute for Genomics and Multi-scale Biology
- Intellectual Property, Kristin Neuman, MPEGLA (30 minutes) (Confirmed) (1:00)

Panelists:

- Bryan Bishop, LedgerX

---

**1:00 – 2:00 | BREAKOUT SESSIONS/GROUP DISCUSSION | LUNCH (provided)**

---

**2:00 – 2:30 WORKING GROUP PRESENTATIONS AND DISCUSSION (continued)**

- Public Communications, Outreach, Jeffrey Bessen, Harvard University (Confirmed)
  - Education, Ellen Jorgensen, Biotech Without Borders (Confirmed) (30 minutes) (2:30)
- 

**2:30 – 3:30 | GP-WRITE INTERNATIONAL PRESENTATIONS**

- Australia, Natalie Curach, Synthetic Biology, Macquarie University (12 minutes + 3 minutes for discussion) (2:45)
  - Brazil, Elibio Rech, EMBRAPA, National Institute of S&T, Synthetic Biology (12 minutes + 3 minutes for discussion) (3:00)
  - Canada, Peter Zandstra, The University of British Columbia and Bogumil Karas, Western University (12 minutes + 3 minutes for discussion) (3:15)
  - China, Bing-Zhi Li, Tianjin University (12 minutes + 3 minutes for discussion) (3:30)
- 

**3:30 – 4:00 | BREAK**

---

**4:00 – 5:00 | GP-WRITE INTERNATIONAL PRESENTATIONS (continued)**

- India, Binay Panda, Ganit Labs (12 minutes + 3 minutes for discussion) (4:15)
  - Japan, Yasunori Aizawa, Tokyo Institute of Technology (12 minutes + 3 minutes for discussion) (4:30)
  - Singapore, Jee Loon Foo, National University of Singapore (12 minutes + 3 minutes for discussion) 4:45
  - United Kingdom, Susan J Rosser, University of Edinburgh (12 minutes + 3 minutes for discussion) (5:00)
- 

**5:00 – 6:00 | GP-WRITE INDUSTRY PARTNER/ADVISORY BOARD PRESENTATIONS**

- John Fuller, Field Applications Scientist, Labcyte (10 minutes) (Confirmed) (5:10)
- Emily Leproust, Chief Executive Officer, Twist Bioscience (10 minutes) (Confirmed) (5:20)
- Helge Bastian, Vice President and General Manager Synthetic Biology, Thermo Fisher Scientific (10 minutes) (Confirmed) (5:30)
- Jake Beal, Senior Scientist, Raytheon BBN Technologies (10 minutes) (Confirmed) (5:40)

- Andre Choulika, Founder, Chairman and Chief Executive Officer, Collectis (10 minutes) (Confirmed) (6:00)
- 

**6:00 – 6:15 | WRAP UP AND NEXT STEPS**

---

**6:30 – 7:00 | PRESS BRIEFING**

---

**6:30 – 8:30 | EVENING COCKTAILS**