



**MEETING AGENDA**  
**HGP2: THE HUMAN GENOME SYNTHESIS PROJECT**  
**Scientific Organizing Meeting**  
**October 31, 2015**

**Institute for Systems Genetics**  
**NYU Langone Medical Center**  
**430 East 29th Street, New York, NY**

- 8:30 – 9:00 REGISTRATION AND CONTINENTAL BREAKFAST
- 9:00 – 9:10 WELCOME TO THE INSTITUTE FOR SYSTEMS GENETICS  
Overview of the Meeting, Jef Boeke and Nancy J Kelley
- 9:10 – 10:10 OVERVIEW OF PROJECT AND CURRENT SYNTHETIC GENOMICS ENVIRONMENT
- Overview of HGP2, Jef Boeke and Andrew Hessel (20 minutes)
  - Lessons Learned: Sc 2.0: The Synthetic Yeast Genome Project, Jef Boeke (20 minutes)
  - Lessons Learned: From rEcoli to 1 Million Genomes, George Church (20 minutes)
- 10:10 – 10:30 BREAK
- 10:30 – 1:45 HGP2: PRESENTATION/ DISCUSSION OF 1% PILOT PROJECTS
- Jef Boeke/George Church | UltraSafe Cell Line (20 minute presentation, 10 minute discussion)
  - Marc Lajoie/ Farren Isaacs | Empirically Designing Genomically Recoded Human Cell Lines (20 minutes, 10 minutes each)
  - Harris Wang | Toward a Prototrophic Human Genome (20 minute presentation, 10 minute discussion)

- Adam Arkin | Engineering Human Organoids With The Human Variome As A Substrate (20 minute presentation, 10 minute discussion)
- Liam Holt | The Seven Signals Toolbox: Enabling HGP2 Cell and Tissue Therapies (20 minute presentation, 10 minute discussion)
- Jasper Rine | Keeping the Cat in the Bag: Musings on the 1% (20 minute presentation, 10 minute discussion)
- Todd Kuiken | Through the Looking Glass: Anticipating and Understanding Regulatory Systems and the Public's Views on HGP2 (15 minute discussion)

1:45 - 2:30 LUNCH (provided)

2:30 – 3:15 SELF ORGANIZED BREAKOUT WORKING GROUPS ON PROPOSED “1%” PILOT PROJECTS

3:15 – 4:00 OPEN DISCUSSION

4:00 – 4:30 BREAK

4:30 – 6:00 WRAP UP AND NEXT STEPS

- Topics for Discussion, Jef Boeke and Nancy Kelley
  - Follow on Scientific/ Industry Meetings
  - Governance: Scientific Executive Committee and Working Groups
  - Infrastructure, Technology and Industry Engagement
  - Intellectual Property
  - Fundraising
  - Regulatory Framework
  - Social and Ethical Issues
  - Public Engagement and Messaging
  - Community Input and Coordination
  - Planning and Organizational Development

6:00 – 7:30 EVENING COCKTAILS

OPTIONAL: HALLOWEEN PARADE, GREENWICH VILLAGE