

Public Meeting of the NIH ACD Precision Medicine Initiative Working Group

Unique Scientific Opportunities for the Precision Medicine Initiative National Research Cohort

April 28-29, 2015

Natcher Conference Center, NIH Campus, Bethesda, MD

AGENDA

Workshop Objective

To consider visionary biomedical questions that can be addressed in the proposed national research cohort of 1 million or more volunteers to advance human health. The workshop will result in a series of possibilities for the distinctive science that the cohort could enable in the near and longer-term future.

Day 1: Tuesday, April 28

1:00 – 1:15 p.m. **Welcome, Context, and Goals for Workshop** — Rick Lifton, M.D., Ph.D., *Yale University School of Medicine*

1:15 – 1:30 p.m. **Why PMI?** — Sharon Terry, M.A., *Genetic Alliance*

1:30 – 2:45 p.m. **Genomics and Other “Omic” Technologies** — Moderated by Jay Shendure, M.D., Ph.D., *University of Washington*

Presenters (10 minutes each):

- ② Euan A. Ashley, D.Phil., M.D., *Stanford University School of Medicine*
- ② Vamsi K. Mootha, M.D., *Harvard University Medical School*
- ② Vikram Bajaj, Ph.D., *Google[x]*

2:00 – 2:45 p.m. Open Discussion

2:45 – 3:00 p.m. **Break**

3:00 – 4:15 p.m. **Environmental and Behavioral Factors on Health** — Moderated by J. Michael Gaziano, M.D., M.P.H., *Harvard Medical School; Department of Veterans Affairs Office of Research & Development*

Presenters (10 minutes each):

- ② Marie Lynn Miranda, Ph.D., *University of Michigan School of Natural Resources and Environment*
- ② Stephen Intille, Ph.D., *Northeastern University Center for Health Policy and Healthcare Research*
- ② Saul Shiffman, Ph.D., *University of Pittsburgh Department of Psychology*

3:30 – 4:15 p.m. Open Discussion

4:15 – 5:30 p.m. “Big Data” — Moderated by Eric Dishman, *Intel*

Presenters (10 minutes each):

- ② Russ Altman, M.D., Ph.D., *Stanford University School of Medicine*
- ② Atul Butte, M.D., Ph.D., *University of California, San Francisco Institute for Computational Health Sciences*
- ② Andrey Rzhetsky, Ph.D., *University of Chicago Department of Human Genetics*

4:45 – 5:30 p.m. Open Discussion

5:30 – 5:45 p.m. Wrap-Up of Day 1; Looking Forward to Day 2 — Rick Lifton, M.D., Ph.D., *Yale University School of Medicine*

5:45 p.m. Adjourn

Day 2: Wednesday, April 29

8:30 – 8:45 a.m. Welcome — Bray Patrick Lake, M.F.S., *Duke University*

8:45 – 10:15 a.m. Near-Term Use Cases — Moderated by Kathy Hudson, Ph.D., *National Institutes of Health*

Presenters (10 min each):

- ② Sekar Kathiresan, M.D., *Massachusetts General Hospital*
- ② Josh Stein, M.B.A., *AdhereTech*
- ② Howard Hu, M.D., M.P.H., Sc.D., *University of Toronto Dalla Lana School of Public Health*
- ② Anne Wojcicki, *23andMe*

9:25 – 10:15 a.m. Discussion

10:15 – 10:30 a.m. Break

10:30 – 11:45 a.m. Longer-Term Use Cases — Moderated by Sachin Kheterpal, M.D., M.B.A., *University of Michigan Medical School*

Presenters (10 min each):

- ② Isaac Kohane, M.D., Ph.D., *Harvard Medical School Center for Biomedical Informatics*
- ② Jennifer Malin, M.D., Ph.D., *Anthem*
- ② Brenda Eskenazi, Ph.D., *University of California, Berkley School of Public Health*

11:00 – 11:45 a.m. Discussion

11:45 a.m. – 12:00 p.m. Recap and Next Steps — Rick Lifton, M.D., Ph.D., *Yale University School of Medicine*

12:00 p.m. Adjourn Public Session