

Welcome to the first annual

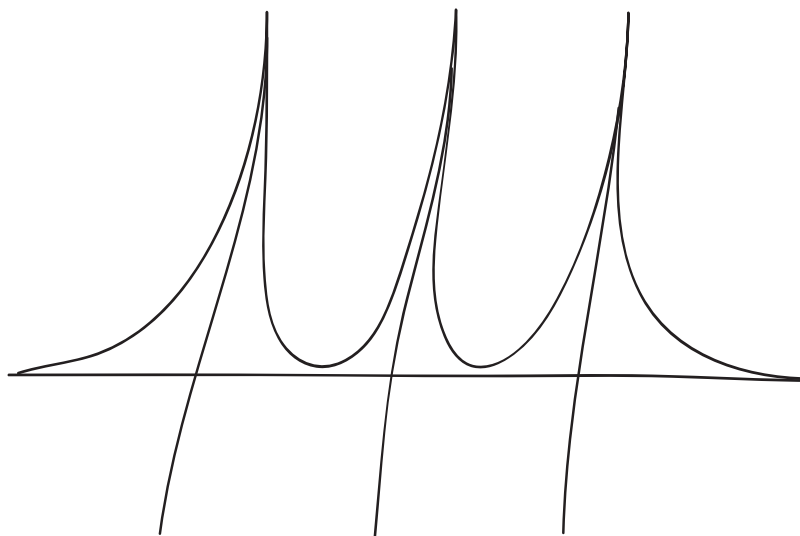
Open Science Summit

July 29th, 30th & 31st

2010

INTERNATIONAL HOUSE

UNIVERSITY OF CALIFORNIA, BERKELEY



*We INVITE you to JOIN us to OPEN the DISCUSSION on
the FUTURE of SCIENCE RESEARCH and INNOVATION.*

Thursday, July 29th

4:00 pm Registration, Opening and Speaker Intros

5:00-7:00 pm: Short Talks

Mike Gretes, Neglected Disease R&D

Victoria Stodden, Reproducible Research and Open Science

Peter Murray-Rust, Open Knowledge Foundation

Karim Chine, Open data Advocate

Morgan Langille, BioTorrents

Jason Hoyt, Mendeley Research Networks

Martha Bagnell, The Third Reviewer

DJ Strouse & Casey Stark presenting CoLab

Jason Levitt, Kaltura

Doug Hershberger, Bioinformatics, the ultimate open source research platform Bay Area Bioinformatics forum (BayBIFX)

Josh Perfetto, OpenPCR

James Peyer, Open Biotech Education, OTYP

Todd Kuiken, Responsible Science for DIY biologists, a new Woodrow Wilson Center Initiative

Bryan Bishop, Open Source Hardware

Alex Lightman, Rise of the Citizen Scientist in the Ever Smarter World

7:00-8:00 pm Meet + Greet then adjourn to local bars

Friday, July 30th

8:00-9:30 am Registration

9:30-10:00 am Welcome Introduction

**THEME I: GENOMICS, GENE PATENTS, AND THE
FUTURE OF BIOLOGY**

10:00-11:00 am Retrospective on Human Genome Project, Prospective Look at Synthetic Biology

Alexander (Sasha) Wait Zaraneek, Tim Hubbard, Drew Endy

Ten years after the completion of the Human Genome Project, we stand on the cusp of an era of personalized medicine and the much hyped, sometimes maligned possibility of a “synthetic biology.” George Church, a leading figure in the human genome project, has long advocated the virtues of an “Open Source approach” (see Polonator.org the first open source sequencing machine). The Biobricks Foundation, and the newly created BioFab, works to create an open standard for the field of synthetic biology. Can an “Open Source” model, in which essential biotechnologies are accessible as an “innovation commons,” provide a way forward? See Freeman Dyson for a vision of an era of radically “democratized,” decentralized biology.

**11:00-12:00 pm Gene Patents: Moving Beyond the
Myriad Fallout**

David Koepsell, author *Who Owns You?*

Luigi Palombi, author *Gene Cartels*

Rochelle Dreyfuss, member SAGCHS

Misha Angrist, author *Here Is a Human Being: At the Dawn of
Personal Genomics*

12:00-12:45 pm: Lunch

12:45-1:00 pm Introduction to Open Access and Latest Developments

Nick Shockey, Director, Right to Research Coalition

THEME 2: THE SCIENTIFIC PROCESS

1:00-2:00 pm State of Open Data/Open Access Journals Group Discussion

Michael Eisen, Co-Founder PLoS

Victoria Stodden, Yale Information Society

Jean Claude Bradley, UseFul Chem Project

Cameron Neylon, Science in the Open

Carole Goble, Professor University of Manchester

Peter Murray-Rust, Open Knowledge Foundation

Karim Chine, Open data Advocate

Todd Huffman, Open data Advocate

Morgan Langille, BioTorrents

Nick Shockey, Director, Right to Research Coalition

2:00-3:15 pm Epistemology 2.0: Reputation Engines, Peer Review, and the Future of Online Science

2:00-2:14 pm Michael Nielsen, Open science author and blogger, former theoretical physicist

2:14-2:28 pm Michael Vassar, The Darwinian Method: Why Science Works and How Scholarship Helps

2:28-2:40 pm Jorge Hirsch, the H-index/Impact Factor

2:40-3:15 pm Panelists discuss the future prospects of

**peer review and reputation metrics in online science,
(joined by participants from earlier session)**

**3:15-4:15 pm Microfinance, Crowd-Funding for science
(continuation of Peer Review discussion at beginning)**

David Vitrant, Mark Friedgan, Fund Science

David Fries, president SciFlies

Jason Blue Smith, Zach Berke, EurekaFund

**THEME 3: THE RISE OF DISTRIBUTED, DECENTRALIZED, AMATEUR/CITIZEN SCIENCE AND
DO IT YOURSELF BIOLOGY**

**4:15-5:15 pm A look at recent examples of citizen
science in biology**

Jason Bobe, Mac Cowell, co-founders DIY Bio

Raymond McCauley, Founder Exponential Bioscience

Tito Jankowski, Pearl Biotech LLC

Meredith Patterson, biohacker extraordinaire

Hugh Reinhoff, My Daughter's DNA

**5:15-6:30 pm Safety and Security Concerns, Open
Source BioDefense**

Rob Carlson, Biodesic

Christine Peterson, Foresight Institute/Open Source Sensing

J Christopher Anderson, UC Berkeley professor of synthetic biology

Special Agent Edward You, FBI

Len Sassaman, Researcher Katholieke Universiteit Leuven

6:30-8:00 pm Dinner

**8:00-10:00 pm Discussion at Local Bars with
entertainment from Brian Mallow, Science Comedian**

Saturday, July 31th

THEME 4: THE OPEN INNOVATION PARADIGM

**9:30-10:30 am Alternative Funding Mechanisms for
Science, R&D**

Aiden Hollis, Health Impact Fund/Incentives for Global Health
Jamie Love, Knowledge Ecology International

10:45-12:00 pm Cure Entrepreneurs

Scott Johnson, Myelin Repair Foundation
Craig Benson, Beyond Batten Foundation
Beth Anne Baber, The Nicholas Conor Institute

12:00-12:45 pm Lunch

12:45-2:00 pm Open Source Drug Discovery

Jonathan Izant, SAGE
Barry A. Bunin, CEO Collaborative Drug Discovery
Andrew Hessel, Pink Army

**THEME 5: INTELLECTUAL PROPERTY MANAGE-
MENT TO FACILITATE COLLABORATIVE
INNOVATION**

2:00-3:00 pm “Academic Background”

Alan Bennett, executive director, PIPRA
Rebecca Goulding, ISIS Sauder School of Business, University of
British Columbia

3:15-4:15 pm Applied Examples/Patent Pools

Keith Bergelt, Open Invention Network

Lisa Green, Creative Commons

THEME 6: THE ROLE OF UNIVERSITIES

4:15-5:15 pm: The role of the University in the knowledge economy: Agonies of Academia and Tribulations of Technology Transfer.

Ethan Guillen, Universities Allied for Essential Medicines, “Saving lives through university patent policy”

Rebecca Goulding, ISIS Sauder School of Business, University of British Columbia, “Alternative licensing solutions for Global Access”

Carol Mimura, Office of Intellectual Property & Industry Research Alliances, University of California, Berkeley, “Humanitarian rights clauses in contracts”

Lisa Green, Creative Commons

5:15-5:30 pm: José Cordeiro, The Future of Education Millennium Project

Closing Commentary on Personal Genomics

Tom Goetz, author, *The Decision Tree*

David Ewing Duncan, author, *Experimental Man*

For more information about speakers, participating organizations, and the conference in general, visit:

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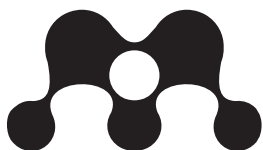
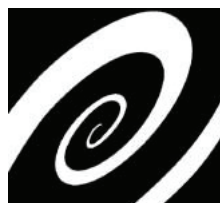
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