

*Welcome to the first annual*

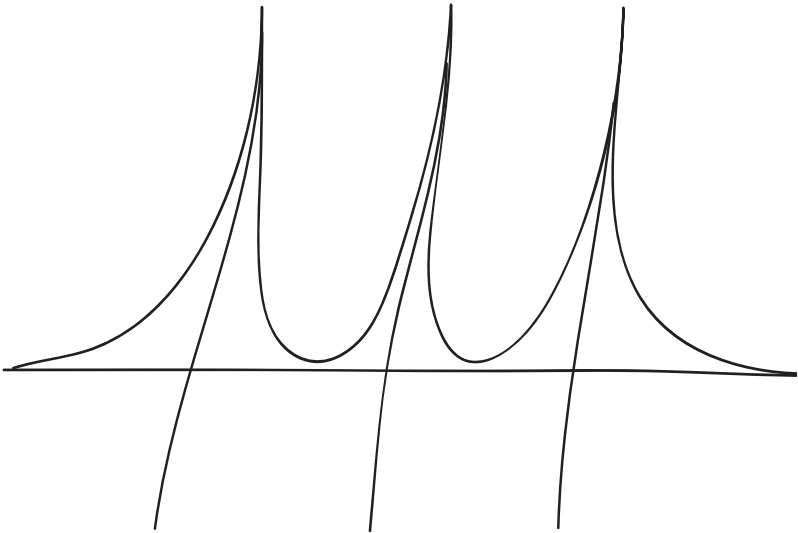
# Open Science Summit

*July 29<sup>th</sup>, 30<sup>th</sup> & 31<sup>st</sup>*

**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**, Mendeleey 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 Foundatin

**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, Bidesic**

**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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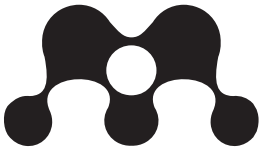
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