

OPEN ACCESS CONFERENCE

*The Impact of Open Access in
Research & Scholarship*

NOVEMBER 9 - 10, 2011

AT THE HOWARD HUGHES MEDICAL INSTITUTE
CHEVY CHASE, MARYLAND, USA

PROGRAM



Thanks

The organizers extend a note of thanks to the following individuals, who contributed generously of their time in realizing this event.

Organizing Committee

Prudence Adler, Associate Executive Director, Federal Relations and Information Policy, Association of Research Libraries

Georg W. Botz, Open Access Policy Advisor, Administrative Headquarters of the Max Planck Society

Christoph Bruch, Open Access Policy, Max Planck Digital Library

Leslie Chan, Program Supervisor, International Development Studies; Director, Bioline International; University of Toronto Scarborough

Kathleen Fitzpatrick, Director of Scholarly Communication, Modern Language Association

Melissa Hagemann, Senior Program Manager, Information Program, Open Society Foundations

Heather Joseph, Executive Director, SPARC

Manfred Laubichler, Arizona State University, Max Planck Institute, Marine Biological Laboratory

Charles B. Lowry, Executive Director, Association of Research Libraries

Rick Luce, Vice Provost and Director of University Libraries, Emory University

Elizabeth Marincola, President, Society for Science and the Public

Avice Meehan, Vice President for Communications and Public Affairs, Howard Hughes Medical Institute

Cathy Norton, Library Scholar, Marine Biological Laboratory; Chair, Institutional Council, Biodiversity Heritage Library

Juergen Renn, Director, Max Planck Institute for the History of Science

Simone Rieger, Academic Officer, Max Planck Institute for the History of Science

Brent Roe, Executive Director, Canadian Association of Research Libraries

Frank Sander, Head, Max Planck Digital Library

Ralf Schimmer, Head of Scientific Information Provision, Max Planck Digital Library

Urs Schoepflin, Director, Research Library, Max Planck Institute for the History of Science

Bernard Schutz, Director, Max Planck Institute for Gravitational Physics

Stuart Shieber, Director, Office for Scholarly Communication, Harvard University

Dieter Stein, Professor of English Language and Linguistics, Heinrich Heine University

Anja Stoeber, Open Access Policy, Max Planck Digital Library

Peter Suber, Senior Researcher, SPARC; Fellow at the Harvard University Berkman Center

Winston Tabb, Sheridan Dean of University Libraries and Museums, Johns Hopkins University

Chuck Thomas, Senior Program Officer, Office of Library Services, Institute of Museum and Library Services

Ellen Tise, Senior Director, Library Services, Stellenbosch University

Paul Uhler, Director, Board on Research Data and Information, U.S. National Academy of Sciences

Xiaolin Zhang, Executive Director, National Science Library, Chinese Academy of Sciences

CONFERENCE DIRECTOR: Jennifer McLennan, Director of Programs and Operations, SPARC

Special thanks to



Welcome to the Berlin 9 Open Access Conference

Berlin conferences have been convened annually since 2003 to support continued adoption of the principles outlined in the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities and track progress on their implementation. The prestigious gathering takes place in locations around the world and has been held in Germany, Switzerland, England, Italy, France, and – most recently – China.

The Berlin 9 Open Access Conference marks the first such meeting to take place in North America and has been designed to address the unique considerations of the North American community by representatives of the science, humanities, research, funding and policy sectors.

The conference program will examine the impact that Open Access can have in advancing the conduct and communication of research and scholarship, with a particular focus on the impact this can have on the public. The program will feature concrete steps taken by a wide range of institutions to support Open Access, and provide an opportunity to consider additional actions that might be taken – including encouraging institutional sign-on to the Berlin Declaration. The Conference is an international forum, and this year's location provides a unique opportunity for U.S. and Canadian organizations to fully participate in shaping the program and ensure a lively, inclusive, and productive conference.

For more information about the program, including speaker abstracts, visit the conference Web site at <http://www.berling.org>.

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<http://www.berlin9.org>

The Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities

The History of the Berlin Declaration

In 2003, a landmark meeting organized by the Max Planck Society and the European Cultural Heritage Online project brought together international experts with the aim of developing a new web-based research environment using the Open Access paradigm as a mechanism for having scientific knowledge and cultural heritage accessible worldwide.

As a result of the meeting, leading international research, scientific, and cultural institutions issued and signed title: *The Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities*, a document that outlines concrete steps to promote the Internet as a medium for disseminating global knowledge.

The Berlin Declaration builds on the widely accepted Budapest Open Access Initiative, which calls for the results of research produced by authors without expectation of payment to be made widely available on the Internet, and to carry permissions necessary for users to use and re-use results in a way that accelerates the pace of scholarship and research. The text of the declaration follows.

Preface

The Internet has fundamentally changed the practical and economic realities of distributing scientific knowledge and cultural heritage. For the first time ever, the Internet now offers the chance to constitute a global and interactive representation of human knowledge, including cultural heritage and the guarantee of worldwide access.

We, the undersigned, feel obliged to address the challenges of the Internet as an emerging functional medium for distributing knowledge. Obviously, these developments will be able to significantly modify the nature of scientific publishing as well as the existing system of quality assurance.

In accordance with the spirit of the Declaration of the Budapest Open Access Initiative, the ECHO Charter and the Bethesda Statement on Open Access Publishing, we have drafted the Berlin Declaration to promote the Internet as a functional instrument for a global scientific knowledge base and human reflection and to specify measures which research policy makers, research institutions, funding agencies, libraries, archives and museums need to consider.

Goals

Our mission of disseminating knowledge is only half complete if the information is not made widely and readily available to society. New possibilities of knowledge dissemination not only through the classical form but also and increasingly through the open access paradigm via the Internet have to be supported. We define open access as a comprehensive source of human knowledge and cultural heritage that has been approved by the scientific community.

In order to realize the vision of a global and accessible representation of knowledge, the future Web has to be sustainable, interactive, and transparent. Content and software tools must be openly accessible and compatible.

Definition of an Open Access Contribution

Establishing open access as a worthwhile procedure ideally requires the active commitment of each and every individual producer of scientific knowledge and holder of cultural heritage. Open access contributions include original scientific research results, raw data and metadata, source materials, digital representations of pictorial and graphical materials and scholarly multimedia material.

Open access contributions must satisfy two conditions:

The author(s) and right holder(s) of such contributions grant(s) to all users a free, irrevocable, worldwide, right of access to, and a license to copy, use, distribute, transmit and display the work publicly and to make and distribute derivative works, in any digital medium for any responsible purpose, subject to proper attribution of authorship (community standards, will continue to provide the mechanism for enforcement of proper attribution and responsible use of the published work, as they do now), as well as the right to make small numbers of printed copies for their personal use.

A complete version of the work and all supplemental materials, including a copy of the permission as stated above, in an appropriate standard electronic format is deposited (and thus published) in at least one online repository using suitable technical standards (such as the Open Archive definitions) that is supported and maintained by an academic institution, scholarly society, government agency, or other well-established organization that seeks to enable open access, unrestricted distribution, inter operability, and long-term archiving.

Supporting the Transition to the Electronic Open Access Paradigm

Our organizations are interested in the further promotion of the new open access paradigm to gain the most benefit for science and society. Therefore, we intend to make progress by

- **Encouraging** our researchers/grant recipients to publish their work according to the principles of the open access paradigm.
- **Encouraging** the holders of cultural heritage to support open access by providing their resources on the Internet.
- **Developing** means and ways to evaluate open access contributions and online-journals in order to maintain the standards of quality assurance and good scientific practice.
- **Advocating** that open access publication be recognized in promotion and tenure evaluation.
- **Advocating** the intrinsic merit of contributions to an open access infrastructure by software tool development, content provision, metadata creation, or the publication of individual articles.

We realize that the process of moving to open access changes the dissemination of knowledge with respect to legal and financial aspects. Our organizations aim to find solutions that support further development of the existing legal and financial frameworks in order to facilitate optimal use and access.

Signing Instructions

Governments, universities, research institutions, funding agencies, foundations, libraries, museums, archives, learned societies and professional associations who share the vision expressed in the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities are therefore invited to join the signatories that have already signed the Declaration.

Please contact:

Prof. Dr. Peter Gruss
President of the Max Planck Society
Hofgartenstraße 8
D-80539 Munich
Germany
e-mail: praesident@gv.mpg.de

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Declaration and list of signatories
are available on the Web site at
<http://www.berlin9.org/about>

Pre-conferences Program

Tuesday, November 8th, 2011

12:30 - 2:30PM

Open-access Publishing - Johns Hopkins University, 1717 Massachusetts Ave NW (Lower-level presentation room)

Open-access publishing has matured significantly in recent years. Once largely the domain of nonprofits and academic departments, open-access publications are now a sizable and growing segment of the scholarly publishing marketplace increasingly represented by commercial players. This session will explore the growth and development of the rapidly developing open-access publishing market segment and how Open Access can fuel innovation in both research and commerce. Speakers will elaborate on the fundamental characteristics of growth business models that are emerging and evolving to support it, and on steps needed to ensure the potential for open-access publishing to fuel advancement is fully realized.

SPEAKERS

Peter Binfield

Publisher, PLoS ONE and the Community Journals

Christoph Bruch

Open Access Policy, Max Planck Society (Moderator)

Pierre Mounier

Associate Director - Centre for Open Electronic Publishing, openedition

Caroline Sutton

President, Open-access Scholarly Publishers' Association and Publisher, Co-Action Publishing

Neil Thakur

Special Assistant to the Director for Extramural Research, National Institutes of Health

3:00 - 5:00PM

Open-access Policy Development - Johns Hopkins University, 1717 Massachusetts Ave NW (Lower-level presentation room)

This workshop will offer a description of the main types of open-access policy, presented by the people who implemented them in a number of prestigious universities in Europe and the US. The presenters will describe their policies and we will clarify the differences between them and then look at how effective these policies have been in collecting OA content.

The Q&A part of the workshop will enable participants to dig into the details of implementation, the difficulties and how they were overcome, and to learn how the policies were championed through the institutions in the first place.

The overall aim of the workshop is to illustrate how a policy is arrived at and worked through in an institution, what it takes to get the policy implemented, and what follow-up processes and activities are needed to ensure its maximal effectiveness.

Learn from the experts who have done it all and come out the other side with tips and advice for those about to enter the fray.

SPEAKERS

William Nixon

Digital Library Development Manager, University of Glasgow

Bernard Rentier

President, Université de Liege

Stuart Shieber

Director, Office for Scholarly Communication, Harvard University

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Speakers are listed alphabetically by last name

Speaker abstracts are available on the Web site at <http://www.berlin9.org/program/abstracts>

Speaker biographies are available on page 12

For location details, see the map on page 24

Alma Swan
Enabling Open Scholarship and Director, Key Perspectives Ltd (Moderator)

Jeffrey Vitter
Provost and Executive Vice Chancellor, University of Kansas

3:00 - 5:00PM **Open Access in the Scholarly Environment - Making Things Work! (BRDI-SPARC)**
The National Academies, 500 Fifth St NW, Room 109

Over the past few years, Open Access has become an integral part in the discussion about the future of scholarship. Many ongoing debates among stakeholders, and a growing number of policies evolving on the institutional, national, and international levels show the significance of this topic. However, the development of a firm infrastructure is indispensable for the full realization of Open Access and has yet to be clearly defined.

This pre-conference session on open-access infrastructure comprises two different parts. The first part will address components in the vast landscape of enabling Open Access to research outputs. The second part will be a panel discussion with experts on the different opportunities and challenges within this field. In the first section, renowned stakeholders including scholars, policy makers, and representatives from innovative service units will highlight different aspects of an open-access environment. The speakers will touch on the development and maintenance of repositories, publication platforms, tools, and virtual workbenches, as well as the implementation of sustainable funding schemes for open-access publishing and the management of open-access technology. Scholars will provide insight into Open Access and their daily work and discuss the "socialization" of Open Access within different scholarly communities, as well as how this influences the way research is actually conducted today. The panel discussion will then explore issues around the sustainability of open-access tools and the establishment of technical, organizational and legal frameworks that support true Open Access to research. The panel will be comprised of international experts and funders who will join the speakers from the first session. The session will be of specific interest to research institution leaders, research funders, scholars, and Open Access officers.

SPEAKERS

Malte Dreyer
Head of Department for Research and Development, Max Planck Digital Library

Norbert Lossau
Director, Goettingen State and University Library

Rick Luce
Vice Provost and Director of University Libraries, Emory University (Moderator)

Oya Y. Rieger
Associate University Librarian, Cornell University

Frank Sander
Head, Max Planck Digital Library

Urs Schoepflin
Head of the Library, MPI for the History of Science, Max Planck Society

Edward Seidel
Assistant Director, Mathematical and Physical Sciences Directorate, National Science Foundation

6:00 - 8:00PM **Welcoming Reception - Ping Pong Dim Sum, 1 Dupont Circle NW, #115**
NOTE: The restaurant is on the south side of the building, at the corner of New Hampshire and O Street NW, beside James Hoban's.

Main Conference Program

Wednesday, November 9th, 2011
Howard Hughes Medical Institute

8:00 AM-6:00 PM Posters on display (Atrium). See page 19 for detail.

8:00 – 9:30AM Registration (Great hall)
Shuttles will transport participants from the Bethesda Hyatt to HHMI beginning at 8:00am.
The last shuttle will depart the hotel at 9:00am

9:30 - 10:45AM **Welcome with remarks by the organizers (Auditorium and theatre)**

SPEAKERS

Jack Dixon

Chief Science Officer, Howard Hughes Medical Institute (Moderator)

Cathy Norton

Library Scholar, Marine Biological Laboratory

Bernard Schutz

Director, Max Planck Institute for Gravitational Physics

Robert Tjian

President, the Howard Hughes Medical Institute

10:45 – 11:15AM Coffee break (Great hall)

11:15AM - 1:00PM **The Worldwide Policy Environment (Auditorium and theatre)**

Driven by the desire to maximize their investments in research and increase the pace of discovery, research funders are increasingly adopting policies that require open online access to results of the scientific and scholarly research they fund. International governmental organizations, such as The World Bank, are also actively considering "open" as a means to maximize the impact of the information and data they produce – facilitating connections and discoveries that can directly benefit society. This session will consider the development of U.S. and European initiatives to accelerate the pace of science and research through open online sharing of published articles and data and consider: by what innovative frameworks do we assess the successful impact of scholarship, research, and research investments in the open knowledge environment?

SPEAKERS

Jean-François Dechamp

Policy Officer, European Commission, Directorate-General for Research and Innovation

Avice Meehan

Vice President for Communications and Public Affairs, Howard Hughes Medical Institute (Moderator)

Cyril Muller

Vice President, External Affairs Department, The World Bank

Harold Varmus

Director, U.S. National Cancer Institute

1:00 – 2:00PM Lunch (Atrium)

2:00 - 3:30PM **Transforming Research through Open Online Access to Discovery Inputs and Outputs (Auditorium and theatre)**

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For location details, see the map on page 24

Open Access is abolishing the border between research inputs and outputs and transforming the process of scholarly inquiry at its most basic level. Data and finished research products tend to be more and more collapsed into one permanent flow of information, moving backwards and forwards, and are no longer easily separable. This session will examine how enabling researchers to access raw data and the fruits of other scholars' work helps to define what can and should be investigated, the scope and depth of the experiment, and the ultimate contribution of the research path pursued. Speakers will zero in the conduct of scholarship in the digital environment, how researchers are able to search more deeply and intelligently, how openness helps to advance the pace of discovery, and what opportunities exist in a fully open digital space.

SPEAKERS

- Philip Bourne**
Professor, Skaggs School of Pharmacy and Pharmaceutical Sciences,
University of California, San Diego
- Neil Buckholtz**
Chief of the Dementias of Aging Branch of the Division of Neuroscience,
National Institute on Aging
- Mark Liberman**
Director, Linguistic Data Consortium, University of Pennsylvania
- Dieter Stein**
Professor, Heinrich-Heine University, Düsseldorf (Moderator)

3:30 – 4:00PM Coffee break (Great hall)

4:00 - 5:30PM **Creation of Innovative New Opportunities for Scholarship and Business (Auditorium and theatre)**

This session will focus on exploring how opening access to science and scholarship in the digital arena creates opportunities for innovation and economic development by making it possible to build on the material in new ways -- both in creating new research pathways and projects, as well as potentially building new business opportunities for commercial organizations to develop new services, applications and products. Speakers will offer concrete examples of how opportunities to innovate are being taken advantage of in the "Open" space.

SPEAKERS

- Michael Carroll**
Director, Program on Information Justice and Intellectual Property, American University
- Robert Kiley**
Head of Systems Strategy, the Wellcome Trust
- Elliot Maxwell**
Digital Connections Council Project Director, Committee for Economic Development
- Cameron Neylon**
Senior Scientist, Science and Technology Facilities Council
- Carl Rhodes**
Senior Scientific Officer, Howard Hughes Medical Institute (Moderator)

5:30 – 6:30PM Shuttles to the Hyatt Bethesda Hotel (*See map, page 24*)

7:00 - 10:00PM **Conference-wide dinner.** Remarks by the hosts of Berlin 10, Stellenbosch University, South Africa and a toast to new signatories of the Berlin Declaration. Moderated by Heather Joseph, Executive Director of SPARC (the Scholarly Publishing & Academic Resources Coalition) (Hyatt Bethesda Hotel, Crystal Ballroom)

Main Conference Program

Thursday, November 10th, 2011
Howard Hughes Medical Institute

8:00 AM-6:00 PM Posters on display (Atrium). See page 19 for detail.

8:00 – 9:30AM Registration (Great hall)
Shuttles will transport participants from the Bethesda Hyatt to HHMI beginning at 8:00am.
The last shuttle will depart the hotel at 9:00am

9:30 - 11:00AM **The Impact of Open Access and Open Repositories on Research in the Humanities (Auditorium and theatre)**

Open Access in general and open repositories in specific have had a transformative impact on research in the humanities. New modes of scholarly collaboration and communication are emerging alongside new opportunities for humanities researchers to leverage shared infrastructure and tools. At the same time, the dynamics of scholarship in the humanities demand that approaches toward open sharing differ from those in other disciplines. This session will examine these dynamics, review recent developments, and consider what has been learned thus far at the intersection of Open Access and digital cultural heritage collections. Presenters will explore key questions and opportunities such as: What are the unique challenges of moving toward open in the humanities and social sciences? What are the new kinds of research questions that the open availability of material makes it possible to ask? What new ways of disseminating results are made possible? How is peer review changed when reviewers have access to the full scope of sources used and not just a few lines of citation? What is the potential when resources across the humanities are not only open, but fully interoperable?

SPEAKERS

Kathleen Fitzpatrick

Director of Scholarly Communication, Modern Language Association (Moderator)

Chad Gaffield

President, Canadian Social Sciences and Humanities Research Council

Trevor Muñoz

Associate Director, Maryland Institute for Technology in the Humanities (MITH)

Dean Rehberger

Director, Matrix, Michigan State University

11:00 – 11:30AM Coffee Break (Great hall)

11:30AM - 1:00PM **Open Education: Linking Learning and Research through Open Access (Auditorium and theatre)**

Open Access to scientific literature and Open Educational Resources have been developing independently without much collaboration over the past decade. However, there are clear synergies in the goals, approaches, collaborative models, and benefits each sphere offers research and education. This session will provide an opportunity to examine how the two movements can learn and draw from each other in terms of best practices and success models for sustainability.

SPEAKERS

Leslie Chan

Program Supervisor, International Development Studies; Director, Bioline International; University of Toronto Scarborough (Moderator)

Michael M. Crow

President, Arizona State University

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Laura Czerniewicz
Director, OpenUCT, University of Cape Town

Hal Plotkin
Senior Policy Advisor, Office of the Under Secretary, Department of Education

1:00 – 2:00PM Lunch (Atrium)

2:00 – 3:30PM **Public Interaction: the Range and Power of Open Access for Business, Citizen Science & Patients (Auditorium and theatre)**

This session will highlight the opportunities that opening access to science and scholarship brings for the public to both access and interact with digital information. Speakers will explore how access to this information enables individuals and groups to both participate in the research process, and to help drive subsequent development. The panel will present business, citizen science, and patient perspectives that focus on the potential societal benefits, policy outcomes, and economic opportunities that opening access can bring to the public.

SPEAKERS

Sophia Colamarino
Consulting Associate Professor in the Department of Psychiatry and Behavioral Sciences at Stanford University Medical School

Stephen Friend
President, Sage Bionetworks

François Grey
Coordinator, Citizen Cyberscience Centre, CERN, Switzerland

John Wilbanks
Consent to Research (Moderator)

3:30 – 4:30PM **Closing Summary and Ceremony (Auditorium and theatre)**

SPEAKERS

Heather Joseph
Executive Director, SPARC (the Scholarly Publishing & Academic Resources Coalition)

Bernard Schutz
Director, Max Planck Institute for Gravitational Physics (Moderator)

Ellen Tise
Senior Director, Library Services, Stellenbosch University and Convenor of Berlin 10

4:30 – 5:30PM Shuttles to the Hyatt Bethesda Hotel (*See map, page 24.*)

Speakers



After graduating with a PhD in Optical Physics from Aberdeen University, **Pete Binfield** began his publishing career at Institute of Physics Publishing in Bristol, UK as a Commissioning Editor in their books program. From IoPP, he moved to Kluwer Academic Publishers (KAP) in the Netherlands, where he ran their Major Reference Work program (encyclopedias and handbooks) and then held a variety of positions at KAP, including the management of the Physical Sciences group (Physics, Materials Science, Chemistry) and the directorship of the Plant Sciences and Earth & Environmental Sciences division. KAP merged into Springer Publishers, and during that period he held a position in Business Development, working on projects such as e-books, e-reference works and the Springer Open Choice program. In 2005 he moved to the US to live in California and work for SAGE Publications running their successful US Journals Division (some 220 journals across medical and social sciences). Since April 2008, Peter has been running PLoS ONE, and in September 2009 he also took on overall responsibility for the PLoS Community Journals.



Philip E. Bourne, Ph.D., is a Professor in the Department of Pharmacology and Skaggs School of Pharmacy and Pharmaceutical Sciences at the University of California San Diego, Associate Director of the RCSB Protein Data Bank and an Adjunct Professor at the Burnham Institute. He is a Past President of the International Society for Computational Biology. He is an elected fellow of the American Association for the Advancement of Science (AAAS), the International Society for Computational Biology (ISCB) and the American Medical Informatics Association (AMIA). He is the co-founder and inaugural and current Editor-in-Chief of the open access journal PLoS Computational Biology and a long standing member of the National Science Foundation, National Institutes of Health and Genome Canada panels responsible for reviewing proposals relating to computational biology.

Awards include: the Jim Gray eScience Award (2010), the Benjamin Franklin Award (2009), the Flinders University Convocation Medal for Outstanding Achievement (2004) and the Sun Microsystems Convergence Award (2002).

Bourne's professional interests focus on relevant biological and educational outcomes derived from computation and scholarly communication. This implies algorithms, text mining, machine learning, metalanguages, biological databases, and visualization applied to problems in drug discovery, evolution, cell signaling, apoptosis, systems biology and scientific dissemination. He has published over 200 papers and 5 books, one of which sold over 150,000 copies. He has co-founded 4 companies: ViSoft Inc., Protein Vision Inc., a company distributing independent films for free and most recently SciVee.

Bourne is committed to furthering the free dissemination of science through new models of publishing and better integration and subsequent dissemination of data and results which as far as possible should be freely available to all.



Christoph Bruch is head of Open Access Unit at Max Planck Digital Library. He studied political sciences at Johann Wolfgang Goethe University in Frankfurt am Main and Free University Berlin and wrote his doctoral thesis about the US Federal Freedom of Information Act. Before joining Max Planck Society he held professional positions at the Free University Berlin and the German Institute for Urban Studies. He also worked as freelance consultant advocating access laws and laws regulating direct democracy in Germany. On the international level he was involved in the "UN World Summit on the Information Society" as a representative of the German Civil Liberties Union and temporarily as a member of the German Government delegation. For the ongoing post summit process UNESCO appointed

him 'lead moderator' for the topic "Preservation of Scientific Data". He is member of the board or board of trustees of several NGOs, e.g Coalition for Action "Copyright for Education and Research" (www.urheberrechtsbuendnis.de); Foundation "House of Democracy and Human Rights", German Civil Liberties Union, More Democracy.



Neil S. Buckholtz is Chief of the Dementias of Aging Branch of the Division of Neuroscience at the National Institute on Aging, National Institutes of Health (NIH), Bethesda, Maryland. This involves overall programmatic responsibility for development, coordination, and implementation of basic and clinical Alzheimer's disease (AD) research. Specifically Dr. Buckholtz is the program administrator for grants and contracts portfolios including AD drug discovery and development and AD neuroimaging and biomarker research. Dr. Buckholtz holds a doctorate in physiological psychology from the University of Wisconsin, Madison and was a faculty member at the Medical University of South Carolina, Department of Psychiatry, from 1970-1983, before coming to NIH.



Michael Carroll is a Professor of Law and Director of the Program on Information Justice and Intellectual Property at American University Washington College of Law. His research and teaching specialties are intellectual property law and cyberlaw, focusing on the search for balance over time in the face of challenges posed by new technologies. He is a founding member of Creative Commons, Inc., a global organization that provides standardized legal and technical tools that enable legal sharing of cultural, educational, scientific and other copyrighted works.

Professor Carroll also is recognized as a leading advocate for open access over the Internet to the research that appears in scholarly and scientific journals. He has written white papers and has given numerous presentations to university faculty, administrators, and staff around the country on this issue. In addition, he serves on the National Research Council's Board on Research Data and Information, is an Academic Fellow of the Center for Democracy and Technology and is a member of the Advisory Board to Public Knowledge.

Prior to entering law teaching, Professor Carroll practiced law at Wilmer, Cutler & Pickering in Washington, D.C. and served as a law clerk to Judge Judith W. Rogers, U.S. Court of Appeals for the D.C. Circuit and to Judge Joyce Hens Green, U.S. District Court for the District of Columbia. He received his A.B. (Anthropology), with general honors, from the University of Chicago and his J.D., magna cum laude, from the Georgetown University Law Center.using on the search for balance over time in the face of challenges posed by new technologies. He is a founding member of Creative Commons, Inc., a global organization that provides standardized legal and technical tools that enable legal sharing of cultural, educational, scientific and other copyrighted works.



Leslie Chan is Senior Lecturer in the Department of Social Sciences at the University of Toronto Scarborough, where he serves as the Program Supervisor for the International Development Studies program. Since 2000, Leslie has been the Director of Boline International, a collaborative platform based at CRIA Brazil for open access distribution of research journals from close to twenty developing countries. With Alma Swan, Leslie co-founded the Open Access Scholarly Information Sourcebook (OASIS) and the Global Open Access Map. A Trustee of the Electronic Publishing Trust for Development, Leslie is on the editorial board of Open Medicine and the advisory board of the Scholarly Communication in Africa project funded by the IDRC.



Sophia Colamarino is a Consulting Associate Professor in the Department of Psychiatry and Behavioral Sciences at Stanford University Medical School. Sophia joined the non-profit research organization Cure Autism Now in November 2004 as Science Program Director prior to its merger with Autism Speaks, where she remained as Vice President of Research until 2011. During her tenure at Autism Speaks, the world's largest autism science and advocacy organization, she managed Autism Speaks' Biology Division and developed several important research initiatives, including new efforts in neuropathology, innovative technology and translational biology. She also spent much of her time traveling the country providing science lectures for the autism community. In 2008 Sophia spearheaded the development of an open access policy for publications resulting from Autism Speaks' funded research, for which she testified to U.S. Congress and has been appointed to the national advisory committee of the NIH's PubMed Central science archive.

Sophia graduated with dual degrees in Biological Sciences and Psychology from Stanford University. She received her PhD in Neurosciences from the University of California, San Francisco, where she studied brain development with neuroscientist Marc Tessier-Lavigne, PhD. After receiving her PhD, Sophia conducted research on the genetic disorder Kallmann Syndrome at the Telethon Institute for Genetics and Medicine in Milan, Italy, led by human geneticist Andrea Ballabio, MD. She then returned to the US to work at the Salk Institute in La Jolla, CA, studying adult neural stem cells and brain regeneration in the laboratory of stem cell pioneer Fred H. Gage, PhD.



Michael M. Crow became the sixteenth president of Arizona State University on July 1, 2002. He is guiding the transformation of ASU into one of the nation's leading public metropolitan research universities, an institution that combines the highest levels of academic excellence, inclusiveness to a broad demographic, and maximum societal impact—a model he terms the “New American University.” Under his direction the university pursues teaching, research, and creative excellence focused on the major challenges of our time, as well as those central to the quality of life, sustainable development, and economic competitiveness of Arizona and the nation. He has committed the university to sustainability, social embeddedness, and global engagement, and championed initiatives leading to record levels of diversity in the student body.

Under his leadership ASU has established more than a dozen new transdisciplinary schools and large-scale research initiatives such as the Biodesign Institute; Global Institute of Sustainability (GIOS), incorporating the School of Sustainability (SOS); Flexible Display Center; and important initiatives in the humanities and social sciences. During his tenure the university has nearly tripled research expenditures, completed an unprecedented infrastructure expansion, and announced naming gifts endowing the W. P. Carey School of Business; Ira A. Fulton Schools of Engineering; and Mary Lou Fulton Teachers College.

Prior to joining ASU, Dr. Crow was executive vice provost of Columbia University, where he also was professor of science and technology policy in the School of International and Public Affairs. As chief strategist of Columbia's research enterprise, he led technology and innovation transfer operations, establishing Columbia Innovation Enterprises (renamed Science and Technology Ventures), as well as advancing interdisciplinary program development. He played the lead role in the creation of and served as the founding director of the Earth Institute at Columbia University, and in 1998 founded the Center for Science, Policy, and Outcomes (CSPO), dedicated to linking science and technology to optimal social, economic, and environmental outcomes. In 2003, CSPO was reconstituted at ASU

and is now based in both Phoenix and Washington, DC.

A fellow of the National Academy of Public Administration and member of the National Advisory Council on Innovation and Entrepreneurship and Council on Foreign Relations, he is the author of books and articles relating to the design and analysis of knowledge enterprises, technology transfer, sustainable development, and science and technology policy.



An educator in multiple spheres all her life, Associate Professor **Laura Czerniewicz** has worked in the field of educational technology at the University of Cape Town for over a decade, previously working in publishing in Zimbabwe and South Africa.

The recent Director of the Centre for Educational Technology, she has recently taken up the position of Director of OpenUCT leading the university's initiative to open up its knowledge resources to all with internet connectivity and engage in the broad open education agenda from a Southern perspective.

Her research interests include open education, students' digitally-mediated practices, digital identities and the field of learning technology as a scholarly domain.



Jean-François Dechamp obtained his State Diploma of Doctor of Pharmacy from the University of Strasbourg (France) in 1991. He started his career in the Council of Europe, joined a pharmaceutical company in Italy, and then came to Brussels to work for several pharmaceutical associations in the field of European public affairs. In 2002 he joined the campaign for access to essential medicines of an international humanitarian non-governmental organisation, and later became the director of a patients' group in HIV/AIDS. Jean-François joined the European Commission in 2005. He is a policy officer on open access to research results in the Directorate-General for Research and Innovation.



Jack E. Dixon has served as Vice President and Chief Scientific Officer of the Howard Hughes Medical Institute since 2007. He directs HHMI's flagship investigator program, in which leading scientists and their staffs conduct research in HHMI laboratories across the United States. Dixon is also responsible for identifying new opportunities that capitalize on the Institute's expertise in biomedical research and science education.

Prior to joining HHMI, Dixon served as dean of scientific affairs at the University of California, San Diego (UCSD), School of Medicine, where he continues to maintain an active lab. Dixon earned his Ph.D. in chemistry from the University of California, Santa Barbara, in 1971 and has held faculty appointments at Purdue University and the University of Michigan.

A member of the Institute of Medicine and the National Academy of Sciences, Dixon has focused his research efforts on a group of proteins called protein tyrosine phosphatases that govern a key biochemical reaction that serves as a signaling mechanism between living cells. The work has implications for understanding the uncontrolled growth that is characteristic of cancer, the routing of nerve fibers, and the success of disease-causing bacteria and viruses in overcoming the mammalian immune system.



Malte Dreyer is the head of Department for Research and Development at Max Planck Digital Library in Munich, Germany. The Department of Research & Development designs and develops software infrastructure and applications in the domain of scientific information for Max Planck Institutes. He is the head of the eSciDoc project to develop an open source eResearch infrastructure and the publication repository PubMan on MPS side.

Speakers



Kathleen Fitzpatrick is Director of Scholarly Communication of the Modern Language Association, and Professor of Media Studies (on leave), Pomona College. She is author of *Planned Obsolescence: Publishing, Technology, and the Future of the Academy*, published this fall by NYU Press and previously made available for open peer review at MediaCommons Press, and of *The Anxiety of Obsolescence: The American Novel in the Age of Television*, published in 2006 by Vanderbilt University Press. She is co-founder of the digital scholarly network MediaCommons, and has published articles and notes in journals including the *Journal of Electronic Publishing*, *PMLA*, *Contemporary Literature*, and *Cinema Journal*.



Stephen Friend is the President of Sage Bionetworks. He was previously Senior Vice President and Franchise Head for Oncology Research at Merck & Co., Inc where he led Merck's cancer research efforts. In 2005, he led the Advances Technologies and Oncology groups to firmly establish molecular profiling activities throughout Merck's laboratories around the world, as well as coordinate oncology programs from Basic Research through phase IIB clinical trials.

Prior to joining Merck, Dr. Friend was recruited by Dr. Leland Hartwell to co-lead the Fred Hutchinson Cancer Research Center's Seattle Project, an advanced institute for drug discovery. While there, Drs. Friend and Hartwell developed a method for examining large patterns of genes that led them to co-found Rosetta Inpharmatics in 2001. Dr. Friend trained with Dr. Robert Weinberg at the Whitehead Institute where he cloned the first cancer susceptibility gene in 1986. Dr. Friend has also held faculty positions at the Dana Farber Cancer Institute Harvard Medical School from 1987 to 1995 and at Massachusetts General Hospital from 1990 to 1995. He received his B.A. in philosophy, his Ph.D. in biochemistry and his M.D. from Indiana University.



Chad Gaffield was appointed president of the Social Sciences and Humanities Research Council of Canada (SSHRC) on September 18, 2006. Gaffield came to SSHRC from the University of Ottawa, where, as a professor of history, he held a University Research Chair and was the founding director of the Institute of Canadian Studies. He is a former president of the Canadian Historical Association and the Canadian Federation for the Humanities and Social Sciences.

An expert on 19th and 20th century Canada, Gaffield has analyzed the ways demographic, economic and cultural changes influence, and are influenced by, institutional and political history. A Fellow of the Royal Society of Canada, he received the society's J.B. Tyrrell Medal in 2004 for his outstanding contributions to the study of Canada. His most recent award is the Antonio Zampolli Prize presented in June 2011 at Stanford University, and given every three years by the international Alliance of Digital Humanities Organizations for innovative contributions to digital scholarship.

As President of SSHRC, Dr. Gaffield has emphasized the value for the private, public, and non-profit sectors of increasing our knowledge of human thought and behaviour in the past and present in order to create more prosperous, just and resilient societies in the 21st century. In addition to promoting pan-Canadian connections, he is Chair of the International Forum of Funding Agencies and an Executive Board member of the International Social Sciences Council.

Chad Gaffield received his BA and MA from McGill University, and his PhD from the University of Toronto.



François Grey is passionate about advancing open science, and specifically citizen cyberscience, which is a collective term for a diverse, grass-roots movement that is enabling ordinary citizens to participate in real scientific research thanks to the Web.

François is a physicist by training, with a background in nanotechnology and a strong interest in science communication. He spent six years at CERN, managing IT communications. In 2004 he initiated and managed the launch of a volunteer computing project called LHC@home. This led to another project called Africa@home, launched in 2005 in collaboration with several academic institutions, NGOs and United Nations agencies.

He is currently based in Beijing, where he is Professor of Distributed Scientific Computing at Tsinghua University, and has helped to launch several citizen cyberscience initiatives in China, including Computing for Clean Water and CAS@home. In 2009, he helped establish a Citizen Cyberscience Centre in Geneva, which is a partnership between CERN, the United Nations Institute for Training and Research and the University of Geneva, and which he currently coordinates. In 2010, he was a recipient of a Shuttlesworth Foundation Fellowship for promoting citizen cyberscience in the developing world.



Heather Joseph has served as the Executive Director of the Scholarly Publishing and Academic Resources Coalition (SPARC) since 2005. In that capacity, she works to support broadening access to the results of scholarly research through enabling open access publishing, archiving and policies on a local, national and international level.

Ms. Joseph is also the convener of the Alliance for Taxpayer Access, a coalition of universities, libraries, patients advocacy groups, consumer groups, and student organizations who work to ensure that results of publicly funded research are openly accessible to the public. The group has been a leading voice on U.S. open access legislation, including landmark policy issued by the National Institutes of Health (NIH).

Prior to coming to SPARC, she spent 15 years as a publisher in both commercial and not-for-profit publishing organizations. She served as the publishing director at the American Society for Cell Biology, which became the first journal to commit its full content to the NIH's pioneering open repository, PubMed Central, and subsequently served on the National Advisory Committee for the project.

Ms. Joseph serves on the Board of Directors of numerous not-for-profit organizations, and recently completed a term as the elected President of the Society for Scholarly Publishing. She is a frequent speaker and writer on scholarly communications in general, and on open access in particular.



Manfred Laubichler is a theoretical biologist and historian of biology working on the interfaces of conceptual and mathematical problems in the life and social sciences and history. He leads a consortium in digital history and philosophy of science that brings together a wide range of projects and is the co-director of ASU-MBL Embryo Project. At ASU he is a professor of life sciences and director of the Center for Social Dynamics and Complexity. He is an adjunct scientist in the MBL Center of Library and Informatics and a Visiting Scholar at the Max Planck Institute for the History of Science.



Mark Liberman is the Christopher H. Browne Distinguished Professor of Linguistics at the University of Pennsylvania, where he is also a member of the department of Computer and Information Science and the Psychology graduate group. He is also the director of the Linguistic Data Consortium, which supports language-related

education, research and technology development by creating and sharing linguistic resources. The LDC was founded in 1992 with seed money from DARPA, and has played a central role since then in DARPA's use of the "common task method" in speech and language research, whereby formal comparative evaluation and shared training and testing data used to organize and manage R&D programs. Today's technological capabilities in speech recognition, machine translation, and text analytics are largely the result of these DARPA programs. Before moving to Penn in 1990, Liberman was a member of technical staff and head of the Linguistics Research Department at AT&T Bell Labs.



Norbert Lossau is the Director of Göttingen State and University Library (SUB Göttingen), Germany. Since 2011 he is also Honorary Professor at the Humboldt-University Berlin/ School of Library and Information Science. Norbert Lossau moved to Göttingen from his post as Library Director and Chief Information Officer (CIO) Scholarly Information at Bielefeld University. In his previous position he has been the first Head of the Oxford Digital Library, University of Oxford, UK.

Norbert Lossau is member of various national and international steering committees and advisory boards, among others the Main Committee for Research Libraries at the German Research Council (Deutsche Forschungsgemeinschaft, DFG), the Working Group "Digital Information in Research and Teaching" of the German Rectors Council (Hochschulrektorenkonferenz, HRK), the German Grid Initiative Advisory Board, the SPARC Europe Executive Board and the European Research Libraries (LIBER) Board. He is the Board Chairman of COAR, the international Confederation of Open Access Repositories. Currently he is also the scientific coordinator of the European project OpenAIRE, implementing the Open Access pilot of the European Commission. At Göttingen University he is a founding Board member of the new "Göttingen Centre for Digital Humanities", GCDH and a coordinator for campus-wide eResearch and digital research infrastructure concepts.



Rick Luce is the Vice-Provost and Director of Libraries at Emory University. He was a member of the National Academies Committee on Assuring the Integrity of Research Data in an Era of E-Science, and he has served on three NSF Blue Ribbon panels. Rick is a member of the SPARC advisory board and NSF's DataONE Advisory Board. He has been a steering board member of the Coalition of Networked Information (CNI) and Executive Board member of the Digital Library Federation. Previously he was the senior advisor to the Max Planck Society's Center for Information Management (2000-2006) and was an executive board member of the National Information Standards Organization (1998-2004).

Prior to joining Emory, Rick was the Research Library Director at Los Alamos National Laboratory (1991-2006), internationally recognized for its pioneering digital library. In 2005 he was awarded the Fellows' Prize for Leadership at Los Alamos National Laboratory.

In 1999 Rick was a co-founder of the Open Archives Initiative to develop interoperable standards for author self-archiving systems. In 2003 Rick was a co-organizer of the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities, and in 2004, the Brazilian Declaration on Open Access.



Elliot E. Maxwell advises public and private sector clients on strategic issues involving the intersection of business, technology, and public policy in the Internet and E-commerce domains. He is a Fellow of the Communications Program at Johns Hopkins University, and Distinguished Research Fellow at the eBusiness Research Center of the Pennsylvania State University. He also advises the Office of

the National Coordinator for Health Information Technology in the U.S. Department of Health and Human Services, EPCglobal/GS1 on issues involving radio frequency identification (RFID), and the Committee for Economic Development.

From 1998 until 2001, Maxwell served as Special Advisor for the Digital Economy to U.S. Secretary of Commerce William Daley and U. S. Secretary of Commerce Norm Mineta. In this position he was the principal advisor to the Secretary on the Internet and E-commerce. He coordinated the Commerce Department's efforts to establish a legal framework for electronic commerce, ensure privacy, protect intellectual property, increase Internet security, encourage broadband deployment, expand Internet participation, and analyze the impact of electronic commerce on all aspects of the economy. After leaving the government he was Senior Fellow for the Digital Economy and Director of the Internet Policy Project for the Aspen Institute's Communications and Society Program.

Previously, Maxwell worked for a number of years as a consultant and as Assistant Vice President for Corporate Strategy at Pacific Telesis Group. He served at the Federal Communications Commission as Special Assistant to the Chairman, Deputy Chief of the Office of Plans and Policy, and Deputy Chief of the Office of Science and Technology. Maxwell also worked for the U.S. Senate as Senior Counsel to the U.S. Senate Select Committee on Intelligence Activities.

Maxwell graduated from Brown and Yale Law School. He has written and spoken widely on issues involving the Internet, electronic commerce, telecommunications, and technology policy. His most recent work, "Harnessing Openness to Improve Research, Teaching and Learning in Higher Education," was issued by the Committee for Economic Development (CED). The predecessors of that work, "Harnessing Openness to Transform American Health Care," "Open Standards, Open Source, and Open Innovation: Harnessing the Benefits of Openness," and "Promoting Innovation and Economic Growth: The Special Problem of Digital Intellectual Property" were also published by CED.



Avice A. Meehan has served as Vice President for Communications and Public Affairs at the Howard Hughes Medical Institute since 2002. She is responsible for a portfolio that includes media relations, publications, the HHMI Web site, and support for the Institute's public access publishing policy. She leads the Institute's work to inform a wide range of external audiences about HHMI's work and accomplishments.

Meehan joined HHMI from Memorial Sloan-Kettering Cancer Center in New York, where she served for eight years as vice president, public affairs. A graduate of Mount Holyoke College, Meehan also earned a master's degree from Columbia University Graduate School of Journalism. She started her professional career as a journalist, working for 12 years for newspapers in Massachusetts, Connecticut, and New York.



Pierre Mounier lectures in the "Digital Humanities" at the École des Hautes Études en Sciences Humaines et Sociales (EHESS) and is associate director of the Center for Open Electronic Publishing (Cléo). He is the editor-in-chief and author of *Homo Numericus*, a blog focused on digital technologies. He was the Head of the digital publishing service of École Normale Supérieure Lettres et Sciences humaines (2002-2008). A graduate of the École Normale Supérieure in Paris, he has a master's degree in social anthropology (Université Paris X Nanterre) and a teaching certificate in French literature (Université Paris Sorbonne, Paris IV).

Speakers



Cyril Muller is the VP, External Relations for the World Bank. He joined the World Bank in 1991 as part of the team dedicated to the replenishment of the International Development Association resources (IDA -- the arm of the World Bank that helps the poorest of the developing countries). Mr. Muller has spent most of his World Bank career as an economist and program manager in Eastern Europe, Asia and Africa. In July 2000, he went on external service to take an assignment with the world's leading company in trade related services where he held the position of Vice President, Products & Strategy. In 2005, Mr. Muller rejoined the World Bank and was appointed Special Representative for Europe.

Mr. Muller is a Swiss national. He is an economist by training with specialization in international trade and finance.



Trevor Muñoz is an Assistant Dean for Digital Humanities Research at the University of Maryland Libraries and an Associate Director of the Maryland Institute for Technology in the Humanities (MITH). Trevor holds an MA in Digital Humanities from the Department of Digital Humanities at King's College London and

an MS in Library and Information Science with a specialization in Data Curation from the Graduate School of Library and Information Science at the University of Illinois, Urbana-Champaign. He specializes in developing joint research ventures between libraries and digital humanities centers, as well as in research and practice on the curation of humanities data. Trevor is co-editor of a forthcoming open access publication on resources for data curation in the digital humanities and co-organized the first Humanities Data Curation Summit intended to promote the development of a sustainable plan for preserving digital humanities research.



Cameron Neylon is a biophysicist who has always worked in interdisciplinary areas and is an advocate of open research practice and improved data management. He currently works as Senior Scientist in Biomolecular Sciences at the ISIS Neutron Scattering facility at the Science and Technology Facilities Council (STFC).

Along with his work in structural biology and biophysics his research and writing focuses on the interface of web technology with science and the successful (and unsuccessful) application of generic and specially designed tools in the academic research environment. He is a co-author of the Panton Principles for Open Data in Science, founding Editor in Chief of Open Research Computation, and writes regularly on the social, technical, and policy issues of open research at his blog, Science in the Open.



William Nixon is the Service Development Manager of Enlighten, the University of Glasgow's institutional repository service. He was the Project Manager (Service Development) for the JISC funded DAEDALUS Project that set up repositories at Glasgow using both ePrints and DSpace. William was also a member of the team which

drafted the University of Glasgow's Publications Policy, introduced in 2008. He is now involved with the ongoing development of services for Enlighten and support for Open Access at Glasgow. Through the JISC funded Enrich and Enquire projects he has worked to embed the repository into University systems. This work includes links to the research system for funder data and the re-use of publications data in the University's web pages. He was part of the University's team which provided publications data for the UK's Research Excellence Framework (REF) Bibliometrics Pilot. He has been involved in a local REF exercise at Glasgow which used the repository to capture impact and outputs data.



Hal Plotkin is the Senior Policy Advisor in the Office of the Under Secretary of Education (OUS), United States Department of Education. The OUS has responsibility for all U.S. federal higher education policies and programs. Prior to his appointment to the Obama administration, Mr. Plotkin was a trustee and board president at the Foothill-De Anza Community College District, based in Silicon Valley, California, where he shared governance responsibility for two community colleges with a combined enrollment of approximately 45,000 students. Mr. Plotkin is an internationally recognized leader in the field of Open Educational Resources, wrote the first article ever published about Creative Commons, and is the author of "Free to Learn" a widely cited governance guide to the use of Open Educational Resources by public higher education institutions. "Free to Learn" is published with an open license that permits free downloading and distribution.

Mr. Plotkin is a writer, editor and media producer by profession who has published more than 600 articles on business, science, technology and education. His publishers include Inc. magazine, Forbes ASAP, Family Business magazine, the San Francisco Chronicle's SFGate.com, and CNBC.com, where he served as Silicon Valley correspondent. He is also a founding editor of the American public radio program "Marketplace" and the creator of the non-profit Center for Media Change, Inc., which facilitates public financing of high-quality print and documentary journalism.

At the Department of Education, Mr. Plotkin is responsible for providing advice and leadership aimed at accomplishing President Obama's graduation goal, which is designed to ensure that the United States will once again have the best prepared, most highly educated workforce in the world by 2020.

Mr. Plotkin is a graduate of Foothill Community College in Los Altos Hills, California and San Jose State University with majors in History and Behavioral Sciences, respectively. He is the first graduate of Foothill Community College to ever serve on its governing board of trustees.



Dean Rehberger is the Director of MATRIX: the Center for Humane Art, Letters, and Social Science Online and also Associate Professor of Writing, Rhetoric and American Cultures. His primary areas of research include: information design and architecture; digital libraries, museums and archives; Internet technologies in the classroom; and hybrid learning environments. He oversees the development of a number of open access projects in the humanities including the Quilt Index, Overcoming Apartheid, Studs Terkel: Conversations with America and many other project.



Bernard Rentier was born in Liege, Belgium in 1947. He graduated as a Biologist from Liege University (ULg) in 1970 and obtained a doctorate degree in Experimental Biomedical Sciences also at ULg in 1976, working on the structure of the Influenza virus envelope. He took then a 5 years post-doctoral position at the NIH, Bethesda MD, where he worked on the latency of measles virus in nerve cells. In 1981, he returned to ULg where he worked on the latency of varicella-zoster virus. He became successively Professor, Vice-rector and Rector. Since 1997, as Vice-rector in charge of Research and Libraries, he undertook a vast reform, concentrating 28 libraries into 4 and modernising considerably the equipment and management. Since 2005, as Rector, he decided to create an institutional repository (ORBi) with an immediate deposit/open access mandate launched in november 2009 that achieved one of the fastest growth rate worldwide. He has been a strong advocate of OA for many years and has created EOS (EnablingOpenScholarship), an organisation supporting the implementation of OA in universities and research institutions worldwide.



Carl Rhodes is senior scientific officer at the Howard Hughes Medical Institute. He earned a B.A. in zoology and mathematics from the University of North Carolina at Chapel Hill and a Ph.D. in biology from The Johns Hopkins University. Before joining HHMI in 2000, he was associate dean for graduate programs in biology and biomedical sciences and professor of biochemistry and biology at Stanford University.

Dr. Rhodes manages the HHMI investigator reviews and competitions. He is responsible for matters related to HHMI's public access policies. Other activities include serving as liaison to the HHMI Bioethics Advisory Board and the HHMI-Wellcome Trust Postdoctoral Exchange Program.

His earlier research focused on the use of single-strand nucleases to map deletions in viral chromosomes and, and with Drs. Peter Rigby, Tom Shenk and Paul Berg, development of the nick translation technique to label DNA probes. Much of his academic work was devoted to teaching and assessment in biochemistry, including development of texts devoted to problem solving and examination writing.



Oya Y. Rieger is the associate university librarian for digital scholarship and preservation services at Cornell University Library. She oversees the Library's digitization, repository development, digital preservation, electronic publishing, and e-scholarship initiatives with a focus on needs assessment, requirements analysis, business modeling, and information policy development. She has leadership in various open access initiatives that have explored and promoted new models of scholarly communication. She oversees arXiv, which is internationally acknowledged as a pioneering open-access distribution service for physics, mathematics, computer science, and related disciplines. Also included in her program area is Project Euclid, which is jointly managed by Cornell University Library and Duke University Press to provide affordable access to high-impact, peer-reviewed mathematics and statistics scholarly materials. Rieger has a B.S. in Economics (METU), an M.S. in Public Administration (University of Oklahoma), and an M.S. in Information Systems (Columbia University). She received her Ph.D. in Human-Computer Interaction from Cornell University.



Frank Sander studied physics in Cologne and Munich and obtained his PhD from the MPI of Quantum Optics under the supervision of Nobel Prize Laureate Prof. Theodor W. Hänsch.

Further stages in his career included, among others, assignments with an IT Service Partner in Munich and the management consulting firm McKinsey & Company. Together with three partners, Sander subsequently set up a strategic consulting company specialising in the provision of IT-strategic consulting services to DAX-listed companies. During his six-year stint at this firm, Sander, in his function as a member of the Management Board, was in charge of the areas of IT, law, and finances. He was appointed as head of the Max Planck Digital Library by the president of the Max Planck Society at the end of 2010.



Urs Schoepflin is director of the Research Library of the Max Planck Institute for the History of Science. He was a member of the taskforce initiating new directions for electronic information management in the Max Planck Society (MPG). Representing the Institute as a pilot institution, he is now active in workgroups testing and evaluating tools developed with the Max Planck Digital Library. As a digital library specialist, he is a member of the project team of "European Cultural Heritage Online", a pioneering open access infrastructure for working with sources in the humanities. He is involved in the development of the German Digital Library

as a member of the experts group. As director of the Library, he is responsible for the development of the Institute's computer supported source collection for the history of science, a research environment which makes available digitized microfilmed source material and high-end scans of major printed sources and manuscripts, both held at the Library or provided in cooperation with other libraries or archives, and which are complemented by transcribed XML text. He does research in historical and quantitative aspects of scholarly communication as well as in research evaluation on which he has published several papers. He is active in the International Society for Scientometrics and Informetrics and used to serve as editorial advisor to the journal "Scientometrics".



Edward Seidel is a physicist recognized for his work on numerical relativity and black holes, as well as in high-performance and grid computing. He earned his Ph.D. from Yale University in relativistic astrophysics. He was a professor at the Max Planck Institute for Gravitational Physics (Albert-Einstein-Institute, or AEI) in Germany from 1996-2003. There, Seidel founded and led AEI's numerical relativity and e-science groups, which became leaders in solving Einstein's equations using large-scale computers, and in distributed and grid computing. He also was a senior research scientist at the National Center for Supercomputing Applications and associate professor in the Physics Department at the University of Illinois, Urbana-Champaign.

In 2003, Louisiana State University recruited Seidel to lead its investment in the Governor's Information Technology Initiative, and he became founding director of LSU's Center for Computation & Technology. Seidel served as CCT director from 2003-2008. Seidel also is the Floating Point Systems Professor in LSU's Departments of Physics & Astronomy and Computer Science. In addition to leading the CCT, he helped initiate, and was the chief scientist for, the \$40M Louisiana Optical Network Initiative. He is a recipient of the IEEE Sidney Fernbach Award, the Gordon Bell Prize, and Heinz-Billing Prize, and is a fellow of the American Physical Society.

In June 2008, the National Science Foundation selected Seidel as its director for the Office of Cyberinfrastructure (OCI). He began this position Sept. 1, 2008, in which he oversees advances in supercomputing, high-speed networking, data storage and software development on a national level. He has recently assumed the role of Assistant Director for Mathematics and Physical Sciences at NSF.



Stuart Shieber is James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science in the School of Engineering and Applied Sciences at Harvard University. His primary research field is computational linguistics, the study of human languages from the perspective of computer science. His research contributions have extended beyond that field as well, to theoretical linguistics, natural-language processing, computer-human interaction, automated graphic design, the philosophy of artificial intelligence, computer privacy and security, and computational biology. He is the founding director of the Center for Research on Computation and Society and is the Director of the University Office for Scholarly Communication.

Professor Shieber received an AB in applied mathematics summa cum laude from Harvard College in 1981 and a PhD in computer science from Stanford University in 1989. He was awarded a Presidential Young Investigator award in 1991, and was named a Presidential Faculty Fellow in 1993, one of only thirty in the country in all areas of science and engineering. He has been awarded two honorary chairs: the John L. Loeb Associate Professorship in Natural Sciences in 1993 and the Harvard College Professorship in 2001. He was named a fellow of the American Association for Artificial Intelligence in 2004, and the Benjamin White Whitney Scholar at the Radcliffe Institute for 2006-07.

Speakers

His work on open access and scholarly communication policy, especially his development of Harvard's open-access policies, led to his appointment as the first director of the university's Office for Scholarly Communication, where he oversees initiatives to open, share, and preserve scholarship.



Dieter Stein is Professor of English Language and Linguistics at Heinrich-Heine-University Düsseldorf (Germany). Dieter Stein obtained degrees (Staatsexamen) in Geography and English at Saarbrücken University (1972) and a PhD in English Linguistics at Saarbrücken (1975). He taught Applied Linguistics and Translation at Heidelberg University (until 1982). After his Habilitation at Aachen (1982) he was appointed professor for English Linguistics (text- and discourse linguistics) at Justus-Liebig-University Gießen and transferred to Heinrich-Heine-University Düsseldorf in 1990, where he has taught since then. He was served in most administrative capacities, including dean and several terms as chairman. He has also taught at various universities in the United States, Canada, Spain and Italy, was invited scholar at UCLA, Berkeley and UBC Vancouver. Publications are on a broad range of topics ranging from the theory of linguistic change, via applied linguistics, the linguistics of discourse, to language and communication in the Internet, the theory of genre and the language of law.

He was President of the International Society of Historical Linguistics, he is currently President of the International Language and Law Society, he is also editor-in-chief of the Linguistic Society of America's digital Publication Portal "eLanguage".

He was the organizer and conference director of "Berlin 6", the Max Planck Open Access conference at Düsseldorf.

Current main research areas: Language of the Law, Computer-Mediated Communication and language development.



Caroline Sutton is one of three Co-founders behind Co-Action Publishing, an international open access publishing house with offices in Scandinavia. In addition to working with marketing, public relations and business development in Co-Action Publishing, Caroline serves as the current President of the Open Access Scholarly Publishers Association (OASPA). She has served on the board of Lund University Library, and is currently a member of the SPARC Europe Board and the Advisory Board of the OpenAccess.se programme in Sweden, and is Chair of the Advisory Board for OAPEN. Caroline speaks regularly on open access issues, and has held a number of workshops, together with Professor David Solomon, for scholar publishers and university libraries on creating and developing open access journals.



Alma Swan is a consultant working in the field of scholarly communication. She is a director of Key Perspectives Ltd and holds honorary academic positions in the University of Southampton School of Electronics & Computer Science and the University of Warwick Business School.

Her work covers market research and business modelling, project management and evaluation, research communication practices and behaviours, and the study and promotion of new forms of scholarly communication in the age of the Web. She writes and makes frequent presentations on scholarly communication issues. Alma has BSc and PhD degrees from the University of Southampton and an MBA from Warwick Business School. She is a Fellow of the Society of Biology and a Chartered Biologist, is an elected member of the Governing Board of Euroscience (the European Association for the Promotion of Science & Technology) and is the former editor of its online magazine, The Euroscientist.



Neil Thakur has served as Special Assistant to the National Institutes of Health (NIH) Deputy Director for Extramural Research since 2005. He also serves as program manager for the NIH Public Access Policy, and has spent a year on detail to the US Senate Special Committee on Aging. Prior to his time at NIH, he was Assistant Director of Health Services Research and Development at the Department of Veterans Affairs. Dr. Thakur holds a Ph.D. in Health Policy from Yale University School of Public Health and completed a NIMH postdoctoral fellowship in mental health services research at the Cecil G. Sheps Center for Health Services Research at the University of North Carolina at Chapel Hill.



Robert Tjian has been president of the Howard Hughes Medical Institute since April 2009. Trained as a biochemist, he has made major contributions to the understanding of how genes work during three decades on the faculty of the University of California, Berkeley. He was named an HHMI investigator in 1987.

Tjian, who remains an active scientist, studies the biochemical steps involved in controlling how genes are turned on and off, key steps in the process of decoding the human genome. He discovered proteins called transcription factors that bind to specific sections of DNA and play a critical role in controlling how genetic information is transcribed and translated into the thousands of biomolecules that keep cells, tissues, and organisms alive.

Tjian received a bachelor's degree in biochemistry from Berkeley in 1971 and a Ph.D. from Harvard University in 1976. After completing a postdoctoral fellowship at the Cold Spring Harbor Laboratory with James Watson, he joined the Berkeley faculty in 1979. At Berkeley, Tjian assumed a variety of leadership roles, including as the Director of the Berkeley Stem Cell Center, and the Faculty Director of the Li Ka Shing Center for Biomedical and Health Sciences. He is a member of the National Academy of Sciences and has received many awards honoring his scientific contributions, including the Alfred P. Sloan Prize from the General Motors Cancer Research Foundation and the Louisa Gross Horwitz Prize from Columbia University. He was named California Scientist of the Year in 1994.



Harold Varmus, co-recipient of the Nobel Prize for studies of the genetic basis of cancer, became Director of the National Cancer Institute on July 12, 2010, after 10 years as President of Memorial Sloan-Kettering Cancer Center and six years as Director of the National Institutes of Health. He is a member of the U.S. National Academy of Sciences and the Institute of Medicine and is involved in several initiatives to promote science and health in developing countries. The author of over 350 scientific papers and five books, including a recent memoir titled *The Art and Politics of Science*, he was a co-chair of President Obama's Council of Advisors on Science and Technology, was a co-founder and Chairman of the Board of the Public Library of Science, and chaired the Scientific Board of the Gates Foundation Grand Challenges in Global Health.



Jeffrey Vitter (M.B.A., Duke University, 2002; Ph.D., Stanford University, 1980; B.S. with highest honors, University of Notre Dame, 1977) is the provost and executive vice chancellor and the Roy A. Roberts Distinguished Professor at the University of Kansas. Previously he was on the faculty at Texas A&M University, where from 2008–2009 he served as provost and executive vice president for academics, with additional responsibilities for the academic mission of Texas A&M University in Doha, Qatar. From 2002–2008, Dr. Vitter served as the Frederick L. Hovde Dean of the College of Science and Professor in the Department of Computer Science at Purdue University. From 1993–2002, Dr. Vitter held a distinguished professorship at Duke University, where he was the Gilbert, Louis, and Edward Lehrman Professor. He served at Duke as chair of the Department of Computer Science from 1993–2001 and as co-director and founding member of the Center for Geometric and Biological

Computing. From 1980–1992, he progressed through the faculty ranks and served in leadership roles in the Department of Computer Science at Brown University.

Dr. Vitter serves on the Board of Advisors for the School of Science and Engineering at Tulane University. From 2000–2009 Dr. Vitter served on the Board of Directors of the Computing Research Association (CRA), and he continues to co-chair its Government Affairs Committee. He chaired ACM SIGACT, the Special Interest Group on Algorithms and Computation Theory, of the world's largest computer professional society, the Association for Computing Machinery.

Dr. Vitter is a Fellow of the Guggenheim Foundation, the American Association for the Advancement of Science, the Association for Computing Machinery, and the Institute of Electrical and Electronics Engineers. He was named a National Science Foundation Presidential Young Investigator and is a Fulbright Scholar. He has over 280 book, journal, conference, and patent publications, primarily on the algorithmic

aspects of processing massive amounts of information. He is an ISI highly cited researcher with a Google Scholar h-index of 60.



John Wilbanks works on open content, open data, and open innovation systems. He is a Senior Fellow at the Kauffman Foundation and a Research Fellow at Lybba. He's worked at Harvard Law School, MIT's Computer Science and Artificial Intelligence Laboratory, the World Wide Web Consortium, the US House of Representatives, and Creative Commons, as well as starting a bioinformatics company. He sits on the Board of Directors for Sage Bionetworks, iCommons, and 1DegreeBio, and the Advisory Board for Boundless Learning. John holds a degree in philosophy from Tulane University and also studied modern letters at the University of Paris (La Sorbonne).

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Delegates

Jun Adachi

Professor, National
Institute for Informatics
Japan

Eva Adams

Corporate Strategy
Director, American
Insitute of Physics
United States

Prue Adler

Associate Executive
Director, Association of
Research Libraries
United States

Kathryn Ahlport

Executive Director,
Health Research
Alliance
United States

Stefan Artmann

Scientific Officer,
German National
Academy of Sciences
Leopoldina
Germany

Paul Ashton

Lecturer, NMIT
Australia

Delphine Autard

Open Repository
Manager, INSERM
France

Elizabeth Baton

Chief of Staff, Howard
Hughes Medical
Institute United States

Gerald Beasley

University Librarian,
Concordia University
Canada

Martin Belcher

Director of
Programmes, INASP
United Kingdom

Jeffrey Belliston

Assistant University
Librarian for Scholarly
Communication,
Assessment and
Personnel, Brigham
Young University
United States

Peter Binfield

Publisher, PLoS ONE
and the Community
Journals, Public Library
of Science (PLOS)
United States

Terry Birdwhistell

Dean of Libraries,
University of Kentucky
United States

Brett Bobley

Director, Office of
Digital Humanities,
National Endowment
for the Humanities
United States

Michael Boock

Head, Center for
Digital Scholarship &
Services, Oregon State
University
United States

Georg Botz

Coordinator, Open
Access Policy, Max
Planck Society
Germany

Philip Bourne

Professor, University of
California - San Diego
United States

Natalia Bowdoin

Assistant Professor
/ Library Collections
Coordinator, University
of South Carolina
Aiken
United States

Christoph Bruch

Open Access Policy,
Max Planck Society
Germany

Neil Buckholtz

Chief, Dementias of
Aging Branch, Div.
Neuroscience, National
Institute on Aging
United States

Iva Buresova

Open Access
Administrator, Library
of the Academy of
Sciences of the Czech
Republic
Czech Republic

Jane Burke

Senior Vice President,
Strategic Initiatives,
ProQuest
United States

Jane Burpee

Scholarly
Communications
Librarian, University of
Guelph Canada

Rita Cacas

National Archives of
the U.S.
United States

Carrie Calder

Head of Marketing and
Digital Sales, BioMed
Central
United Kingdom

Eva Caldera

Senior Advisor to the
Chairman, National
Endowment for the
Humanities
United States

David Carlson

Dean, Southern Illinois
University Carbondale
United States

Michael Carroll

Director, Program on
Information Justice and
Intellectual Property,
American University
Washington College
of Law
United States

Bonnie Carroll

Information
International
United States

Robert Chadduck

Principal Technologist
- Applied Research,
National Archives of
the U.S.
United States

Leslie Chan

Director, Bioline
International, University
of Toronto Scarborough
Canada

Seon Heui Choi

Senior Researcher,
KISTI (Korea
Institute of Science
& Technology
Information)
Korea

Sayed Choudhury

Associate Dean
for Library Digital
Programs, Johns
Hopkins University
United States

Richard Clement

Dean of Libraries, Utah
State University
United States

Sophia Colamarino

Consulting Associate
Professor, Stanford
University
United States

Nicole Colovos

Director of Marketing,
BioOne
United States

Colleen Cook

Trenholme Director
of Libraries, McGill
University
Canada

Hillary Corbett

Scholarly
Communication
Librarian, Northeastern
University
United States

William Corey

Scientific Data
Consultant, University
of Virginia Library
United States

William Cross

Director of the
Copyright and Digital
Scholarship Center,
North Carolina State
University
United States

Michael Crow

President, Arizona
State University
United States

Raym Crow

Senior Consultant,
SPARC
United States

Laura Czerniewicz

Director, UTC,
University of Cape
Town
South Africa

Vindra Dass

Springer Open Journal
Manager, Springer
Science+Business
Media
United States

Paola De Castro

Head, Publishing Unit
ISS, Istituto Superiore
di Sanita'
Italy

Sandra De Groot

Scholarly
Communication
Librarian, University of
Illinois at Chicago
United States

**Jean-François
Dechamp**

Directorate-General
for Research and
Innovation, European
Commission
Belgium

Mike Diaz

Executive Director,
Marketing, ProQuest
United States

Jack Dixon

Vice President & Chief
Scientific Officer,
Howard Hughes
Medical Institute
United States

Malte Dreyer

Head of Research &
Development, Max
Planck Digital Library
Germany

Nathalie Duchange

Researcher,
INSERM
France

Ellen Duranceau

Program Manager,
Scholarly Publishing
& Licensing, MIT
Libraries
United States

Gwen Ebbett

University Librarian,
University of Windsor
Canada

Lori Ellingford

Executive Editor,
Current Issues in
Education (ASU)
United States

Ada Emmett

Scholarly
Communications
Program Head,
University of Kansas
United States

Ray English

Director of Libraries,
Oberlin College
United States

Anita Eppel

German National
Library of Medicine
Germany

Britt Erickson

Senior Editor, Chemical
& Engineering News
United States

Felix Evert

Open Access Manager,
De Gruyter
Germany

Marie Farge

Research Director,
CNRS-ENS-Paris
France

Maggie Farrell

Dean of Libraries,
University of Wyoming
United States

Carol Feltes

University Librarian,
Rockefeller University
United States

Melanie Feltner-Reichert

Head, Digital Library
Initiatives, University of
Tennessee
United States

Peter Fernandez

Research Services
Librarian for
Agricultural Sciences
& Natural Resources,
University of Tennessee
- Knoxville
United States

Kathleen Fitzpatrick

Director of Scholarly
Communication,
Modern Language
Association
United States

Michelle Flinchbaugh

Acquisitions Librarian,
University of Maryland -
Baltimore County
United States

Stephen Friend

President, Sage
Bionetworks
United States

Eriko Fujiwara

Kanazawa University
Library
Japan

Mike Furlough

Assistant Dean for Scholarly Communications and Co-Director, Office of Digital Scholarly Publishing, Pennsylvania State University University Park United States

Chad Gaffield

President, Social Sciences and Humanities Research Council of Canada Canada

Dori Gardner

Universal Access, Elsevier United States

Diane Geraci

Director for Information Resources, Massachusetts Institute of Technology United States

Josh Greenberg

Program Director, Alfred P. Sloan Foundation United States

Chris Greer

Associate Director, Programs, NIST ITL United States

François Grey

Visiting Professor, Tsinghua University Switzerland

Jose-Marie Griffiths

Vice President for Academic Affairs, Bryant University United States

Nancy Gwinn

Director, Smithsonian Institution Libraries United States

Melissa Hagemann

Senior Program Manager, Open Society Foundations United States

Trudi Bellardo

Professor, Hahn College of Information Studies, University of Maryland United States

Meredith Hanley

Director of Foundation Relations, Committee for Economic Development United States

Martha Hanna

Professor, University of Colorado United States

Julie Hannaford

Associate Librarian for the Humanities and Social Sciences, University of Toronto, Canada

Lorraine Haricombe

Dean of Libraries, The University of Kansas United States

Georgia Harper

Scholarly Communications Advisor, University of Texas United States

Wendy Highby

Reference Librarian, University of Northern Colorado United States

Susan Hildreth

Director, Institute of Museum and Library Services United States

Kazuko Hiramatsu

University of Michigan-Flint United States

Jeffrey Horrell

Dean of Libraries and Librarian of the College, Dartmouth College Library United States

Robert Horton

Minnesota Historical Society United States

Jennifer Howard

Chronicle of Higher Education United States

Bob Howard

SAGE Publications United States

Tint Hla Htoo

Nanyang Technological University, Singapore Singapore

Carol Hunter

Associate University Librarian for Collections and Services, University of North Carolina-Chapel Hill United States

Azhar Hussain

Open Access Services Co-ordinator, University of Nottingham United Kingdom

Boris Jacob

Royal Museum for Central Africa Belgium

Neil Jacobs

JISC Executive, JISC United Kingdom

JQ Johnson

Director, Scholarly Communications and Instructional Support, University of Oregon United States

Heather Joseph

Executive Director, SPARC United States

Molly Keener

Scholarly Communication Librarian, Wake Forest University United States

Patrick Kelly

Vice President and Journals Publishing Director, Life Sciences John Wiley & Sons United States

Karon Kelly

Associate Director, Integrated Information Services, University Corporation for Atmospheric Research United States

Rebecca Kennison

Director, Center for Digital Research & Scholarship, Columbia University United States

Kiera Keown

Canadian Institutes of Health Research Canada

Robert Kiley

Head Digital Services, Wellcome Trust United Kingdom

ByungKyu Kim

Researcher, KISTI (Korea Institute of Science & Technology Information) Korea, Republic of

Jean-Claude Carm Kita

Scientific Officer, National Fund for Scientific Research Belgium

Tina Klages

Research Associate: Publication Management, Open Access, Fraunhofer Germany

Bettina Klingbeil

Desk Officer, BMBF Germany

Sue Kriegsman

Program Manager, Office for Scholarly Communication, Harvard University United States

Fred Kronz

Program Director, National Science Foundation United States

Lars Kullman

Librarian, Chalmers University of Technology Sweden

Maurice Kwong

Managing Director, Springer Asia Springer / BioMed Central Hong Kong

Joan Lamborn

Head of Library Administrative Services, University of Northern Colorado United States

Manfred Laubichler

Director, Center for Social Dynamics and Complexity, Arizona State University United States

Daniel Lee

Director, Office of Copyright Management & Scholarly Communication, University of Arizona United States

David Lewis

Assistant Vice President for Digital Scholarly Communication and Dean of the IUPUI University Library, Indiana University-Purdue University Indianapolis United States

Martin Lhotak

Director of the Library, Library of the Academy of Sciences of the Czech Republic Czech Republic

Yuan Li

Scholarly Communication Librarian, Syracuse University United States

Mark Liberman

Director, University of Pennsylvania United States

Seokjong Lim

Senior Researcher, KISTI (Korea Institute of Science & Technology Information) Korea, Republic of

David Lipman

Director of the National Center for Biotechnology and Informatics (NCBI), National Institutes of Health United States

Joan Lippincott

Associate Executive Director, Coalition for Networked Information United States

Steven Liss

Vice Principal (Research), Queen's University Canada

Norbert Lossau

Director, Goettingen State and University Library Germany

Katarina Lovrecic

Community Manager, InTech Open Access Publisher Croatia

Charles Lowry

Executive Director, Association of Research Libraries United States

Rick Luce

Vice Provost, Director of Libraries, Emory University United States

Bram Luyten

Co-founder, @mire Belgium

Michael Mabe

CEO, International Association of STM Publishers United Kingdom

Lisa Macklin

Director, IP Rights Office, Emory University United States

Jane Maienschein

Director, Center for Biology and Society, Arizona State University United States

Christine Malmsten

Librarian, Marygrove College United States

Delegates

Elizabeth Marincola

President, Society for
Science & the Public
United States

Mary Marlino

Director, NCAR Library,
University Corporation for
Atmospheric Research
United States

Joel Martin

Vice Provost for Academic
Personnel and Dean of
the Faculty, University of
Massachusetts Amherst
United States

Shawn Martin

Librarian, University of
Pennsylvania
United States

Elliot Maxwell

Digital Connections Council
Project Director, Committee
for Economic Development
United States

Neil McElroy

Dean of Libraries, Lafayette
College
United States

Jennifer McLennan

Director of Programs &
Operations, SPARC
United States

Beth McNeil

Associate Dean for
Academic Affairs, Purdue
University Libraries
United States

Avice Meehan

VP Communications & Public
Affairs, Howard Hughes
Medical Institute
United States

Stacey Meeker

Director of Publications,
UCLA Graduate Students
Association, University
Corporation for Atmospheric
Research
United States

Todd Melnick

Associate Librarian for
Public Services, Fordham
Law School
United States

Chris Mentzel

Program Officer, Gordon and
Betty Moore Foundation
United States

Holly Miller

Library Director, Marine
Biological Laboratory
United States

Aaron Mitchell

Communication &
Information Officer,
UNESCO Affairs, U.S.
Department of State
United States

Cheryl Moore

EVP/COO, Howard Hughes
Medical Institute
United States

Eric Moran

Executive Editor, SAGE
Publications
United States

Jane Morris

Scholarly Communication
Librarian, Boston College
United States

Pierre Mounier

Associate Director, Centre
for Open Electronic
Publishing
France

Cyril Muller

Vice President for External
Relations, The World Bank
United States

Trevor Munoz

Associate Director, Maryland
Institute for Technology in
the Humanities
United States

Cameron Neylon

Senior Scientist in
Biomolecular Sciences,
Science and Technology
Facilities Council
United Kingdom

William Nixon

Digital Library Development
Manager, University of
Glasgow
United Kingdom

Cathy Norton

Library Scholar, Marine
Biological Laboratory United
States

Scott Nygren

Associate Professor &
Faculty Senate Chair,
University of Florida
United States

Dennis Ocholla

Professor and Head of the
Department of Information
Studies, University of
Zululand
South Africa

Lyudmila Ocholla

Librarian, University of
Zululand South Africa

Joyce Ogburn

Dean, J. Willard Marriott
Library and University
Librarian, University of Utah
United States

Jim Ottaviani

University of Michigan
United States

Terry Owen

Coordinator, Digital
Repository at the University
of Maryland (DRUM),
University of Maryland
United States

Tom Parks

VP for Research, University
of Utah
United States

Alison Pearn

Associate Director, Darwin
Correspondence Project
United Kingdom

Robin Peek

Librarian, Simmons College
United States

Didier Pelaprat

Head of the Inserm Scientific
Information Service (Inserm-
DISC-IST), INSERM
France

Anali Perry

Collections & Scholarly
Communications Librarian,
Arizona State University
United States

Jennifer Phillips

Metadata & Catalog
Services Librarian, University
Corporation for Atmospheric
Research
United States

Margaret Phillips

Librarian, University of
California
United States

Hal Plotkin

Senior Policy Advisor,
Department of Education
United States

Mila Pollock

Executive Director, Library &
Archives Cold Spring Harbor
Laboratory
United States

Cornelius Puschmann

Professor, Heinrich-Heine-
University Dusseldorf /
Institute for Internet and
Society, Germany

Edwin Quist

Associate University
Librarian for Research and
Outreach, Brown University
Library
United States

Reggie Raju

Director, Information
Technology Services
and Communication,
Stellenbosch University
South Africa

Dean Rehberger

Director, Matrix, Michigan
State University
United States

Bernard Rentier

Rector and Professor of
Virology and Immunology,
University of Liège
Belgium

Carl Rhodes

Senior Scientific Officer,
Howard Hughes Medical
Institute
United States

Bill Rice

Director, Division of
Education Programs,
National Endowment for the
Humanities
United States

Oya Rieger

Associate University
Librarian, Cornell University
Library
United States

Simone Rieger

Research Scholar, Max
Planck Institute for the
History of Science Germany

Constance Rinaldo

Librarian of the Ernst Mayr
Library of the MCZ, Harvard
University
United States

Brent Roe

Executive Director, Canadian
Association of Research
Libraries
Canada

Judith Russell

Dean of University Libraries,
University of Florida
United States

Nicola Rylett

Marketing Director, InTech
Open Access Publisher
Croatia

Frank Sander

Head of Max Planck Digital
Library, Max Planck Digital
Library
Germany

Tom Sanville

LYRASIS
United States

Steve Schafer

Director Library Services,
Athabasca University
Canada

Eva-Maria Scheer

Senior Sales Manager, Wiley
Open Access WILEY-VHC
Verlag GmbH & Co. KGaA
Germany

Rebecca Schild

Student Researcher,
University of Toronto
Canada

Ralf Schimmer

Max Planck Digital Library
Germany

Sherrie Schmidt

Dean of University Libraries,
Arizona State University
Main
United States

Julie Schneider

Co-Director, Office of
Scholarly Communication
& Publishing, University of
Wisconsin-Madison
United States

Urs Schoepflin

Director, Research Library,
Max Planck Institute for the
History of Science
Germany

Brian Schottlaender

University Librarian,
University of California
San Diego
United States

Bernard Schutz

Director, Max Planck Institute for Gravitational Physics
Germany

Susan Searing

Library & Information
Science Librarian, University of Illinois, Urbana-Champaign
United States

Edward Seidel

Assistant Director,
Mathematical and Physical Sciences Directorate,
National Science Foundation
United States

Belinda Seto

Deputy Director, National Institutes of Health
United States

Jerry Sheehan

Assistant Director for Policy Development, National Library of Medicine
United States

Stuart Shieber

Director, Harvard Office for Scholarly Communication,
Harvard University
United States

Pamela Sieving

Informationist, National Institutes of Health
United States

David Skurnik

Vice President, Sales, Data Conversion Laboratory
United States

Robert Smart

Executive Director, Center for Scholarly and Creative Excellence, Grand Valley State University
United States

Kevin Smith

Director of Scholarly Communications,
Duke University
United States

Christina Smith

E-Repository Librarian,
Stellenbosch University
South Africa

Abigail Speller

Project Assistant,
Bioline International
Canada

Patricia Steele

Dean of Libraries, University of Maryland College Park
United States

Dieter Stein

Professor, Heinrich-Heine-University Düsseldorf
Germany

Claire Stewart

Head, Digital Collections and Scholarly Communication Services, Northwestern University
United States

Helena Stjernberg

Librarian, Malmo University
Sweden

Anja Stoeber

Open Access Policy, Max Planck Digital Library
Germany

Ginger Strader

Scholarly Publications Manager, Smithsonian Institution Scholarly Press
United States

Gary Strong

University Librarian,
University of California
Los Angeles
United States

Caroline Sutton

President/Publisher,
OASPA/Co-Action
Publishing
Norway

Alma Swan

Director, Key Perspectives Ltd
United Kingdom

Winston Tabb

Sheridan Dean of University Libraries and Museums,
Johns Hopkins University
United States

Stefan Tanaka

Director, Center for Humanities, University of California - San Diego
United States

Neil Thakur

Special Assistant to the Deputy Director for Extramural Research,
National Institutes of Health
United States

Charles Thomas

Senior Program Officer,
Institute of Museum and Library Services
United States

Jocelyne Thompson

Associate Director of Libraries, University of New Brunswick, Canada

Robert Tjian

President, Howard Hughes Medical Institute
United States

Beth Tillinghast

Institutional Repository Manager, University of Hawaii at Manoa Library
United States

Ellen Tise

Senior Director: Library & Information Services,
Stellenbosch University
South Africa

Esther Tobtschall

Physics Librarian, TIB Hannover
Germany

Allen Todd

Director, Policy & Advocacy,
The Sheridan Group
United States

Deborah Tudor

Associate Dean, College of Mass Communications and Media Arts, Southern Illinois University at Carbondale
United States

Beth Turtle

Head, Scholarly Communications & Publishing, Kansas State University
United States

Hideki Uchijima

Librarian, Kanazawa University Library
Japan

Sara Uhac

Head of Journal Publishing,
InTech Open Access
Publisher
Croatia

Wim Van Der Stelt

EVP Business Development,
Springer
Netherlands

Geert Van Grootel

Senior Researcher, Flemish Government, Economy, Science and Innovation Department
Belgium

Lee Van Orsdel

Dean of University Libraries,
Grand Valley State University
United States

Harold Varmus

Director, National Cancer Institute, National Institutes of Health
United States

Peter Verhaar

Project Manager, Leiden University
Netherlands

Bryan Vickery

Chief Operating Officer,
BioMed Central
United Kingdom

Desider Viktor

Director of Collection Mgmt. & Special Collections,
University of Maryland
United States

Kelly Visnak

Scholarly Communications Librarian, University of Wyoming
United States

Jeff Vitter

Provost and Executive Vice Chancellor, University of Kansas
United States

Isolde von Foerster

Coordinator, Leibniz Publik Bavarian State Library,
Germany
Germany

Andrew Waller

Licensing and Negotiation Librarian/Open Access Librarian, University of Calgary
Canada

Kat Walsh

Board Member, Wikimedia Foundation
United States

Walter Warnick

Director, U.S. Dept. of Energy/ Office of Scientific and Technical Information
United States

David Weinrich

Principal, Weinrich Strategic Group
United States

Leslie Weir

University Librarian,
University of Ottawa
Canada

Nancy Weiss

General Counsel, Institute of Museum and Library Services
United States

Martha Whitehead

University Librarian, Queen's University
Canada

Judith Wieber

Science Librarian, Cold Spring Harbor Laboratory
United States

John Wilbanks

Principal, Consent to Research
United States

Mathew Willmott

Physics Librarian and Collections Specialist, MIT Libraries
United States

Alicia Wise

Director - Universal Access,
Elsevier,
United Kingdom

Adam Wolfson

Assistant Chairman for Programs, National Endowment for the Humanities
United States

Martin Wybourne

Vice Provost for Research,
Dartmouth College
United States

Jingfeng Xia

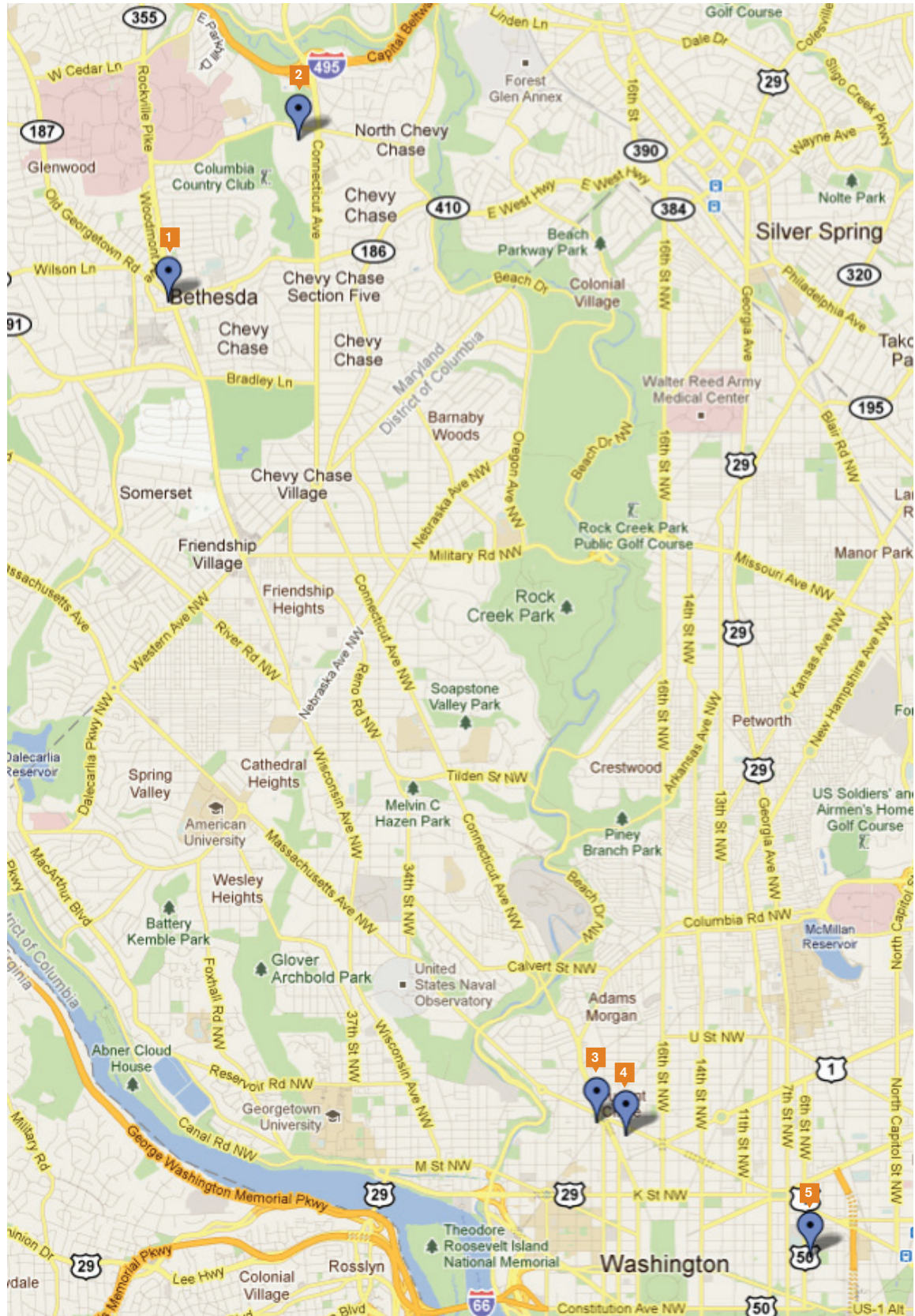
Assistant Professor, Indiana University-Purdue University Indianapolis
United States

City Map

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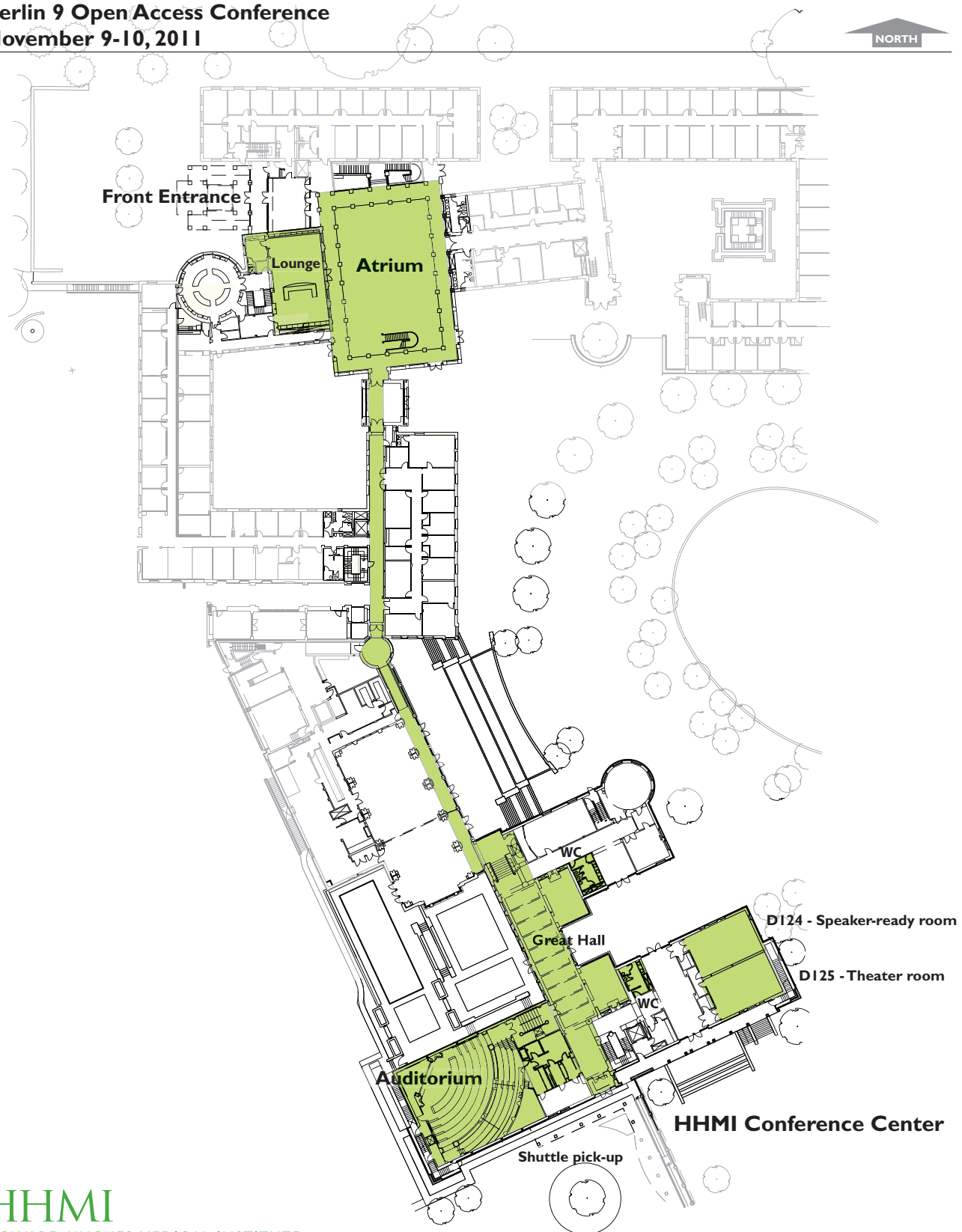
- 1
Hyatt Regency Bethesda
[Metro Red line, Bethesda station]
Conference hotel and shuttle
pick-up/drop-off
Hyatt Regency Bethesda
1 Bethesda Metro Center Bethesda,
MD 20814
- 2
Howard Hughes Medical Institute
[No metro access]
Main Conference, November 9 & 10
Howard Hughes Medical Institute
4000 Jones Bridge Road Chevy
Chase, MD 20815-6789
- 3
Ping Pong Dim Sum
[Metro Red line, Dupont Circle
station]
Reception, November 8
Ping Pong Dim Sum
1 Dupont Circle #115 Washington,
DC 20036. At the corner of New
Hampshire Ave. and O St. NW
- 4
Johns Hopkins University
[Metro Red line, Dupont Circle
station]
Pre-conferences, November 8
Bernstein Office Building
1776 Massachusetts Ave
Washington, DC 20036
- 5
National Academy of Sciences
[Metro Red line, Gallery Place/
Chinatown station]
Pre-conferences, November 8
National Academy of Sciences
Room 109
500 Fifth St. NW Washington, DC

SCAN WITH SMARTPHONE



Campus Map

**Berlin 9 Open Access Conference
November 9-10, 2011**



HHMI
HOWARD HUGHES MEDICAL INSTITUTE
4000 Jones Bridge Road, Chevy Chase, MD 20815

Schedule at a Glance

Tuesday, November 8th, 2011

12:30 – 2:30PM

Pre-conference on open-access publishing
Johns Hopkins University, 1717 Massachusetts Ave NW (Lower-level presentation room)

3:00 – 5:00PM

Pre-conference on open-access policy development
Johns Hopkins University, 1717 Massachusetts Ave NW (Lower-level presentation room)

3:00 – 5:00PM

Pre-conference on Open Access Infrastructure: in the scholarly environment - Making things work!
The National Academies, 500 Fifth ST NW, (Room 109)

6:00 – 8:00PM

Welcoming reception
Ping Pong Dim Sum, 1 Dupont Circle NW, #115 (At the corner of New Hampshire Ave and O Street NW)

Wednesday, November 9th, 2011 Howard Hughes Medical Institute

8:00 – 9:00AM

Shuttles depart the Hyatt Bethesda

8:00 AM – 6:00 PM

Posters on display (Atrium)

8:00 – 9:30AM

Registration (Great hall)

9:30AM – 10:45AM

Welcome with remarks by the organizers (Auditorium and theatre)

11:15AM – 1:00PM

The Worldwide Policy Environment

2:00 – 3:30PM

Transforming Research through Open Online Access to Discovery Inputs and Outputs

4:00 – 5:30PM

Creation of Innovative New Opportunities for Scholarship and Business

5:30 – 6:30PM

Shuttles depart HHMI

7:00 – 10:00PM

Conference-wide dinner with the hosts of Berlin 10, Stellenbosch University, South Africa (The Bethesda Hyatt)

Thursday, November 10th, 2011 Howard Hughes Medical Institute

8:00 – 9:00AM

Shuttles depart the Hyatt Bethesda

8:00 AM – 6:00 PM

Posters on display (Atrium)

8:00 – 9:30AM

Registration (Great hall)

9:30 – 11:00AM

The Impact of Open Access and Open Repositories on Research in the Humanities (Auditorium and theatre)

11:30AM – 1:00PM

Open Education: Linking Learning and Research through Open Access

2:00 – 3:30PM

Public Interaction: the Range and Power of Open Access for Business, Citizen Science & Patients

3:30 – 4:30PM

Conference Summary and Next Steps

4:30 – 5:30PM

Shuttles depart HHMI

Thanks

Organized By



ARL

The Association of Research Libraries

HHMI

The Howard Hughes Medical Institute

MBL

Biological
Discovery
in Woods Hole

The Marine Biological Laboratory



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The Association of Research Libraries (ARL) is a nonprofit organization of 126 research libraries in the US and Canada. Its mission is to influence the changing environment of scholarly communication and the public policies that affect research libraries and the diverse communities they serve. ARL pursues this mission by advancing the goals of its member research libraries, providing leadership in public and information policy to the scholarly and higher education communities, fostering the exchange of ideas and expertise, facilitating the emergence of new roles for research libraries, and shaping a future environment that leverages its interests with those of allied organizations. ARL is on the Web at <http://www.arl.org/>

About the Howard Hughes Medical Institute

The Howard Hughes Medical Institute plays a powerful role in advancing scientific research and education in the United States. Its scientists, located across the country and around the world, have made important discoveries that advance both human health and our fundamental understanding of biology. The Institute also aims to transform science education into a creative, interdisciplinary endeavor that reflects the excitement of real research. For more information, visit www.hhmi.org.

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The Max Planck Society is Germany's most successful research organization. Since its establishment in 1948, no fewer than 17 Nobel laureates have emerged from the ranks of its scientists, putting it on a par with the best and most prestigious research institutions worldwide. The currently 80 Max Planck Institutes conduct basic research in the service of the general public in the natural sciences, life sciences, social sciences, and the humanities. For further information, visit <http://www.mpg.de/en> and <http://oa.mpg.de/lang/en-uk/berlin-prozess>.

About SPARC

SPARC (the Scholarly Publishing and Academic Resources Coalition) is an international coalition of academic and research libraries that promotes expanded sharing of scholarship. SPARC believes that faster and wider sharing of outputs of the research process increases the impact of research, fuels the advancement of knowledge, and increases the return on research investments. SPARC is supported by a membership of over 800 academic and research libraries worldwide. SPARC is on the Web at <http://www.arl.org/sparc>