

OPEN SCIENCE: FROM VALUES TO PRACTICE.

BUILDING A ROADMAP FOR TRANSFORMATIVE CHANGE

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PROGRAM

Thursday, October 4, 2018

8:15 Registration

8:45 **Welcome**

Àngel Font, "la Caixa" Banking Foundation
Núria Martí, Biocat
Juan Valcàrcel, Centre for Genomic Regulation (CRG)
Pastora Martínez, Universitat Oberta de Catalunya (UOC)
Antoni Plasència, Barcelona Institute for Global Health (ISGlobal)
Oriol Pujol, University of Barcelona (UB)
Bonaventura Clotet, IrsiCaixa AIDS Research Institute

9:00

Opening session

Chair: Michela Bertero, Centre for Genomic Regulation, Barcelona, Spain

Academic leadership and the transition to Open Science

Frank Miedema, University Medical Center Utrecht, Utrecht University, The Netherlands

10:00

SESSION 1: Open Access

Chair: Ignasi Labastida, Learning and Research Resource Center of the University of Barcelona, Barcelona, Spain

From Values to Practice: the Open Access 2020 Roadmap for Transformative Change in Scholarly Publishing

Colleen Campbell, Max Planck Digital Library, Germany

Delivering an open publishing platform in the Irish research system

Patricia Clarke, Health Research Board Ireland, Ireland

11:30

Coffee break and poster session

12:00

SESSION 2: Ethics, Integrity and Reproducibility in Science

Chair: Michela Bertero, Centre for Genomic Regulation, Barcelona, Spain

Changing a research culture: from Crisis to Opportunity

Ian Sullivan, Center for Open Science, USA

Ethical issues of the science and society dialogue

Itziar de Lecuona, Bioethics and Law Observatory/UNESCO, Barcelona, Spain

13.30

Lunch and poster session

14:30

SESSION 3: New models of Research Evaluation

Chair: Nadja Gmelch, Universitat Oberta de Catalunya, Barcelona, Spain

New evaluation models, not new indicators, are needed to foster Open Science

Ismael Ràfols, Universitat Politècnica de València, Valencia, Spain

Open science, open funding

Johan Bollen, Indiana University, USA

16:00

Coffee break

16:30

SESSION 4. Stakeholders and Citizen Engagement

Chair: Rosina Malagrida, IrsiCaixa AIDS Research Center, Barcelona, Spain

Building The Lab

Artur Serra, i2cat and European Network of Living Labs, Barcelona, Spain

How to promote the engagement of third sector actors and stakeholder cooperation in research? On barriers and innovating policies and practices

Marion Dreyer, DIALOGIK gemeinnuetzige GmbH, Germany

Open Science

René von Schomberg, European Commission, Belgium

18:00

Networking cocktail

Friday, October 5, 2018

9:00

Flash talks poster session

Chair: Nadja Gmelch, Universitat Oberta de Catalunya, Barcelona, Spain

Room: Agora (floor -2)

9:30

Parallel sessions

Open Access	Ethics, Integrity and Reproducibility in Science	Research Evaluation	Stakeholders and Citizen Engagement
Room: Pi (floor -2)	Room: Curie (floor 0)	Room: Sigma (floor -2)	Room: Tau (floor -1)
<ul style="list-style-type: none">• Ernest Abadal UB• Patrick Gámez UB• Colleen Campbell Max Planck Digital Library• Patricia Clarke Health Research Board Ireland	<ul style="list-style-type: none">• Bernd Pulverer EMBO• Cédric Notredame CRG• Itziar de Lecuona Bioethics and Law Observatory/UNESCO• Ian Sullivan Center for Open Science	<ul style="list-style-type: none">• Paula Adam AQuAS• Eduard Aibar UOC• Israel Rodríguez UOC• Ismael Ràfols UPV	<ul style="list-style-type: none">• Àlex Argemí ICN2• Elisabetta Broglio CRG• Marion Dreyer DIALOGIK

10:30

Coffee break

11:00

Parallel sessions (continuation)

12:30

SESSION 5: Government and funders initiatives

Chair: Maria Jesús Pinazo, Barcelona Institute for Global Health, Barcelona, Spain

- René von Schomberg, European Commission, Belgium
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Actionable open science

Robert van der Vooren, Robert Consultancy, Netherlands

Open Science for Sustainability. Sharing knowledge for peace and development

Maria Fernanda Rollo, Government of Portugal, Portugal

13:30 Lunch and poster session

14:30 Call for action

15:30 Closing remarks and farewell

SCIENTIFIC COMMITTEE



Michela Bertero, Head of International and Scientific Affairs at Centre for Genomic Regulation, Barcelona, Spain

Michela obtained her PhD in genetics from the University of Pavia (Italy), followed by 6-year postdoctoral experience in structural and molecular biology at the University of British Columbia in Vancouver (Canada), and at the Gene Centre in Munich (Germany). Her research focused on different fields, from transcription and gene regulation to metabolism in bacteria. She was recipient of the Canadian Institute of Health Research Fellowship (CIHR) and published several peer-reviewed articles and one book chapter. She has 9+ years of professional experience in different fields of research management (strategy, funding, collaboration, training, science policy, etc.).



Ignasi Labastida, Head at the Learning and Research Resource Center of the University of Barcelona, Barcelona, Spain

Ignasi Labastida, PhD in Physics from the University of Barcelona. Currently he is the head of the Office for the Dissemination of Knowledge and the Research Support Unit at the CRAI-Library of University of Barcelona. He is a member of the Steering Committee of Info and Open Access Policy Group at the LERU and vicepresident of the SPARC Europe Board. He led the introduction of the Creative Commons project in Spain and he has been in charge of its development since 2003. He has been a member of the Board of directors of the Open Courseware Consortium (now Open Education Consortium) where he chairs the Nomination Committee. He was a partner of the project OpenCourseware in the European Higher Education Context: how to make use of its full potential for virtual mobility, supported by the Lifelong Learning Programme of the European Union. He has participated in several conferences and seminars on open access, open education, open science, and open content licenses, and he has written about these topics in journals and books.



Pastora Martínez, Vice President of Globalisation and Cooperation at Universitat Oberta de Catalunya, Barcelona, Spain

Pastora Martínez Samper is Vice President of Globalisation and Cooperation at the Open University of Catalonia. She holds a PhD in Physical Sciences, has a Master in Business Management and a Master Degree in Leadership and Management of Science. She is also evaluator of the National Agency for Evaluation and Prospection (ANEP). Currently, she is a member of the Expert Group on Open Science at the European University Association.



Rosina Malagrida, Head of the LivingLab at IrsiCaixa AIDS Research Institute, Barcelona, Spain

Head of the Living Lab for Health at IrsiCaixa. She aims to contribute to transform the R&I health system to make it more open & inclusive, following a Responsible Research and Innovation (RRI) and a system approach. With this aim she offers consultancy, training and facilitation of multistakeholder engagement interfaces where different actors are invited to

participate in the R&I process at different phases of the value chain (priority setting, project design, project execution, implementation, evaluation and dissemination).

She has previously worked at the Barcelona Science Park, where she was the director of communication and outreach, and at the science museums of Barcelona and London, and has participated as PI in EC funded projects related with RRI during the last 13 years (RRI Tools, Fit4Food, EnRRICH, InSPIRES, Nanodialogue, etc.). She also teaches in different undergraduate and post graduate degrees of the University of Barcelona (UB) and the Open University of Catalonia (UOC) and has offered training on RRI to more than 3,000 researchers.



Maria Jesús Pinazo, Assistant Research Professor at Barcelona Institute for Global Health, Barcelona, Spain

Dr. Pinazo (MD, PhD) is currently working at the Clinic Hospital of Barcelona as senior specialist in Internal Medicine and Infectious Diseases, and at the Barcelona Institute for Global Health as Assistant Research Professor. Her main line of work is on Chagas disease, from basic to public health research, and patient participation in research agendas setting. She is the Scientific coordinator of the InSPIRES Project (H2020 funded) which aim is to study and develop new models of Science Shops and expend them through existing international network of participatory action research and innovation, with special focus on Spanish speaking countries.



Nadja Gmelch, Head of projects - Coordinator of the Open Science Action Plan at Universitat Oberta de Catalunya (UOC), Barcelona, Spain

Nadja Gmelch is working at the Universitat Oberta de Catalunya, in charge of Open Science and RRI, where she is fostering institutional change towards a culture of co-creation of open knowledge. She has over ten years working experience in different fields of higher education and research management, working among others for the Catalan Association of Public Universities (ACUP) and the Global University Network for Innovation (GUNI). Nadja studied Language, Business and Cultural Studies at the University of Passau (Germany) and is Master in European Policies for Development Cooperation by the Universitat Autònoma de Barcelona.



Anne-Sophie Gresle, Program Manager at Barcelona Institute for Global Health, Barcelona, Spain

Anne-Sophie (BSc. in Business Administration, MSc. in International Relations) has worked as a Project Manager on several international multi-centric research projects related to Education and Health for the past 10 years. She is currently working at ISGlobal as a Program Manager supervising the coordination of several projects on Open Science, with special focus on participatory action research. Her main line of work is analyzing and understanding the role and impact of intermediation structures such as Science Shops and LivingLabs, both at the research centre and the hospital settings.

DETAILED PROGRAM AND INVITED SPEAKERS

Thursday, October 4, 2018

Opening session:



Michela Bertero, Head of International and Scientific Affairs at Centre for Genomic Regulation, Barcelona, Spain

Chair of the opening session.
Read bio in page 6.



Frank Miedema, Dean and vice chairman of the Board at University Medical Center Utrecht, Utrecht University, Utrecht, The Netherlands

Frank Miedema studied biochemistry at the University of Groningen, specializing in immunology, with a minor in Philosophy of Science. He obtained a PhD from the University of Amsterdam at the Central Laboratory of the Blood Transfusion Service (CLB), now Sanquin. There, from 1983 he was project leader immunovirology of HIV/AIDS as part of the Amsterdam Cohort Studies. In 1996 he was appointed full professor at AMC/University of Amsterdam and became Director of Sanquin Research in 1998. In 2004 he became head of the Immunology department at the University Medical Center Utrecht. From 2009 he is dean and vice chairman of the Executive Board at the University Medical Center Utrecht.

He is one of the initiators of www.scienceintransition.nl/english. Science in Transition believes that the scientific incentive and reward system is in need of fundamental reform. Next to Science for Science (articles in 'high impact' journals), the added value for society needs more appreciation and societal stakeholders should be involved more integrally in the production of knowledge.

Academic leadership and the transition to Open Science

In May 2016, the Competitiveness Council adopted conclusions on 'The transition towards an Open Science system' where it acknowledges that "Open Science has the potential to increase the quality, impact and benefits of science and to accelerate advancement of knowledge by making it more reliable, more efficient and accurate, better understandable by society and responsive to societal challenges, and has the potential to enable growth and innovation through reuse of scientific results by all stakeholders at all levels of society, and ultimately contribute to growth and competitiveness of Europe".

Open Science encompasses Open Access, Open Research Data and Methods, Open Source, Open Educational Resources, Open Evaluation, and Citizen Science.

A call for interest brought 13 countries together in 2017 in a mutual learning exercise (MLE), a Horizon 2020 instrument to address specific science, technology and innovation (STI) policy challenges. The transition to Open Science represents such a policy challenge which can best be tackled in close cooperation with all stakeholders and on an international scale.

The scope of this first MLE on Open Science was narrowed down to address three key elements of the European Open Science Agenda: The potential of altmetrics (alternative) meaningful metrics; Incentives and rewards for Open Science and Guidelines for developing and implementing national policies. In addition it was concluded that:

1. The implementation of Open Science touches upon the social roles and responsibilities of publicly funded research and the organization of the science system.
 2. European academic leadership is crucial but national strategies for the implementation of Open Science are essential including Open Science champions and role models.
 3. Open Science is enhancing knowledge markets and improving innovation, but this requires systematic review and substantial evidence.
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Session 1: Open Access



Ignasi Labastida, Head at the Learning and Research Resource Center of the University of Barcelona, Barcelona, Spain

Chair of session 1.
Read bio in page 6.



Colleen Campbell, Open Access 2020 Partner Development at Max Planck Digital Library, Munich, Germany

COLLEEN CAMPBELL leads outreach for the Open Access 2020 Initiative, a global effort of national research councils, university rectors' conferences, libraries and consortia, working to accelerate the transition of today's scholarly journals from the current subscription publishing paradigm to new open access publishing models that ensure outputs are open and re-usable and that the costs associated with their dissemination are transparent and economically sustainable. Previously European Director for Participation and Strategic Partnerships for JSTOR and the digital preservation service, Portico, Colleen has over 20 years' experience across all areas of the academic information sector, serves on a number of information industry committees, and is a frequent speaker at international conferences.

From Values to Practice: the Open Access 2020 Roadmap for Transformative Change in Scholarly Publishing

Over the last 20 years, “open access” has been adopted as an underlying principle in a vast number of national and international research and funding policies. In this time, many new institutional and disciplinary repositories have been established and new open access journals and publishing platforms have been created. However, despite these important and worthy efforts, over 80% of today's scholarly journals are still locked behind paywalls, with enormous negative implications for science. Research continues to be hindered by access and re-use restrictions that limit the ability of scientists to leverage the potential of today's digital environment, and funds for scholarly communication continue to be monopolized by big-deal journal packages that require funds to flow toward traditional subscriptions rather the innovative publishing services that researchers want and need. In order to achieve transformative change, and enable the potential of open science, a strategy must be adopted to address the subscription system head on. The Open Access 2020 Initiative addresses this challenge with a simple roadmap whose manifestations include national license negotiations comprising Open Access components, such as the German Projekt DEAL and the University of California “Negotiating Journal Agreements: Call to Action”. The OA2020 roadmap also works in alignment with funding strategies such as the recently announced principles of “Plan S”. Adopting the OA2020 roadmap is simple: convert subscription funds into funds that support open access.



Patricia Clarke, Programme Manager at Health Research Board Ireland, Dublin, Ireland

Dr Patricia Clarke is responsible for policy and for EU funding at the Health Research Board Ireland. She leads HRB Open Research, the open publishing platform for publicly-funded Irish health research. She Co-Chairs the Irish National Open Research Forum, acts as National Delegate for EU Horizon 2020 Societal Challenge Health, Demographic Change and Wellbeing and is a Member of the Science Europe Research Data Working Group. She graduated from Queens University Belfast and the University of Birmingham UK where she completed her doctorate in health behaviour change and an MSc in

Computer Applications. She has a long-standing interest in policy and research having previously worked in the NHS in London and with the Centre for Cross Border Studies, a UK-Ireland cross-border policy research centre.

Delivering an open publishing platform in the Irish research system

Open publishing platforms play a growing and challenging role in the transition to Open Research. The Health Research Board (HRB) aims to deliver optimal value and impact from its publicly-funded research. In 2017 it initiated a tendering process to develop an open publishing platform that would engage and support its funded research community to work in a more open manner, and provide a rich learning experience on how to fund research within a more open process.

Building on the model developed by the Wellcome Trust and the Bill and Melinda Gates Foundation and powered by F1000, the HRB Open Research platform is now delivering an innovative, quality open service for fast, open access publication and open peer review of any research funded by the HRB. It is timely to now examine the decision to provide this platform, the development needed to establish this service, the initial uptake and the work to embed this approach.

Session 2: Ethics, Integrity and Reproducibility in Science



Michela Bertero, Head of International and Scientific Affairs at Centre for Genomic Regulation, Barcelona, Spain

Chair of session 2.
Read bio in page 6.



Ian Sullivan, Transparency and Openness Training Coordinator at Center for Open Science, Richmond, VA, USA

I have spent my career in the overlapping free software, free culture, open education, and open science communities working to help people control the technology transforming all of our lives. I communicate, design, document, train, and support growing communities.

Changing a research culture: from Crisis to Opportunity

While the discussion of a 'Replication Crisis' has been very effective at bringing attention to Open Science issues, this framing of the issue in terms of a crisis is limiting when working to increase adoption of open practices by researchers and when working with other institutions in the research community to construct sustainable practices and policies. This presentation will discuss a refinement of the crisis narrative along with alternate motivation and communication strategies aimed at moving open practices toward wider adoption while better reflecting the progress towards more reproducible practices in the field.



Itziar de Lecuona, Lecturer at Bioethics and Law Observatory and visiting researcher of UNESCO Bioethics program, Barcelona, Spain

Itziar de Lecuona, PhD, Barcelona (1976). Assistant Director of the Bioethics and Law Observatory-UNESCO Chair in Bioethics. Lecturer at the School of Medicine. Member of the Bioethics Committee of Catalonia, of the Research Ethics Committee at Hospital Clínic and at the University of Barcelona.

Member of the ELSI Board of EITHealth and Big Data Coe Barcelona.

Her lines of research are: bioethics and human rights, ethical legal and social issues of research with human beings, responsible research and innovation in healthcare, big data and mHealth research and innovation and research integrity.

Codirector of the Master in Food, Law and Ethics and member of the coordination of the Master in Bioethics and Law both at the University of Barcelona. Member of the Doctoral Programa on Law and Political Science of the University of

Barcelona and "Law Science and Technology" Erasmus Mundus Doctorate, Coordinated by the University of Barcelona. She is currently researcher at NESTORE research project (HORIZON 2020) and has been researcher at ARBIOLAW, NANOBIOALAW, BODYBIOALAW, ADNBIOLAW research projects granted by the Spanish Ministry of Economy and Competitiveness.

Member of the Consolidated Group "Bioethics, Law and Society" granted by the Government of Catalonia.

She has been visiting researcher of UNESCO Bioethics program, CIRSIFID at the University of Bologna and Instituto de Salud Carlos III, National Epidemiology Center (Madrid).

Ethical issues of the science and society dialogue

The talk will analyze the ethical aspects of the science and society dialogue through some successful and failure cases of communication between the scientific community and citizens, in order to reflect on with the audience and to provide stakeholders a series of recommendations.

Communicating research results is an ethical responsibility and is part of the work of researchers, and this communication is a process in which the media and public powers have to be fundamental. The dialogue between science and society is important both for the intrinsic interest in results of scientific researches and for the impact it can have in several fields of politics (for example, in regulations that can affect climate change, food safety or human reproduction, among other topics). There is a need for an open and inclusive science governance model.

See the latest report of the Bioethics and Law Observatory at the University of Barcelona: <https://goo.gl/KEimJW>

Session 3: New models of Research Evaluation



Nadja Gmelch, Head of projects - Coordinator of the Open Science Action Plan at Universitat Oberta de Catalunya (UOC), Barcelona, Spain

Chair of session 3.
Read bio in page 7.



Ismael Ràfols, Research Fellow at Ingenio (CSIC-UPV), Universitat Politècnica de València, Valencia, Spain

I am a research fellow at Ingenio (CSIC-UPV, València), visiting professor at the Centre for Science and Technology Studies (CWTS) of Leiden University and associate faculty at SPRU (Univ. Sussex, Brighton), where I worked from 2004 to 2012. I investigate how to make a more plural and inclusive use of S&T indicators for informing evaluation, funding and research strategies. I am one of the members of the EC Expert Group on Indicators for Researchers' Engagement with Open Science and its Impact.

My two main research topics are:

- 1) Inclusive metrics: The increasing use of indicators in research policy may undermine fields, regions or topics that are poorly described by current research metrics. I study how indicators are biased and the effects of biases, in issues such as interdisciplinary research, local knowledge and agriculture (rice) or in some countries. I am also working in mixed-methods to capture the societal contributions of research, e.g. in translational research.
- 2) Research portfolios: **There is a growing perception of a misalignment between science 'supply' and societal 'needs'. In order to facilitate deliberation on research prioritization, I am developing methods to interrogate the research landscapes or portfolios for grand challenges such as bird flu or obesity, the knowledge base of funding agencies and organisations such as pharmaceutical firms.**

I received an MSc in Science and Technology Policy from SPRU (Sussex), a BSc in Physics from the Univ. Barcelona, a PhD in biophysics from Tohoku University (Sendai, Japan) and was a postdoc in nanobiotechnology at Cornell University

in 2001. In between academic positions, I have worked on international cooperation in Oxfam (1994) and the City Council of Barcelona (2003-04).

New evaluation models, not new indicators, are needed to foster Open Science

Given that conventional bibliometric indicators are perceived as hindering Open Science, there is a demand for new type indicators that foster it. In this presentation I will argue that adding more indicators is misguided as a way to improve evaluation towards Open Science. The deeper problems with current quantitative evaluation do not lie in the indicators themselves, but in their role and place in STI governance. Their role as a justification of efficiency rather than of genuine research missions such as curiosity or social wellbeing. Their place far from the contexts of application, out of touch with knowledge users. I will argue that for fostering Open Science evaluation needs to be about learning how to improve the interactions between researchers and a variety of stakeholders that use knowledge – and indicators should be about processes of knowledge exchange and the capabilities to carry out these interactions.



Johan Bollen, Professor at Indiana University, Bloomington, IN, USA

Johan Bollen is a professor at the Indiana University School of Informatics and Computing. He was formerly a staff scientist at the Los Alamos National Laboratory from 2005-2009, and an Assistant Professor at the Department of Computer Science of Old Dominion University from 2002 to 2005. He obtained his PhD in Experimental Psychology from the Vrije Universiteit Brussel (VUB) in 2001. He has published more than 75 articles on computational social science, social media analytics, informetrics, and digital libraries. His research has been funded by the NSF, DARPA, IARPA, EDA, NASA, and Andrew W. Mellon Foundation. Johan lives in Bloomington, Indiana with his wife and daughter. In his free time he enjoys P90x and DJing in the local Bloomington clubs as DJ Angst.

Open science, open funding

The way science is funded is bound to have an important effect on how science is conducted. In my presentation, I will explain a simple proposal to change from a competitive, all-or-nothing proposal peer-review system to one that leverages advances in computational science and the wisdom of the scientific crowd. The proposed system may significantly reduce costs and overhead, but could also arrive at a more equitable distribution of scientific funding. It can also bring about changes in how science itself is conducted, by encouraging collaboration, open communication, and self-organized interdisciplinarity.

Session 4: Stakeholders and Citizen Engagement



Rosina Malagrida, Head of the LivingLab at IrsiCaixa AIDS Research Center, Barcelona, Spain

Chair of session 4.
Read bio in page 6-7.



Artur Serra i Hurtado, Deputy Director at i2cat and Vice-president of European Network of Living Labs, Barcelona, Spain

Artur Serra is doctor in Cultural Anthropology (University of Barcelona). He is developed his ethnographic field work in the School of Computer Science of Carnegie Mellon University, where he met the Artificial Intelligent community, DARPA and the Internet at the 90s. Since then he has founded different centers and labs, like CANET, Center for Internet Applications and i2cat Foundation in Barcelona. Also in the middle of 90s he started to support and study community networks like Ravalnet, Nou Barris Net and CornellàNet in Barcelona. From this experience he cocreated Citilab, the first European citizen laboratory inaugurated in 2007.

During that time, he joined the European Network of Living Lab, created in Helsinki in 2006, a global organization gathering more than 150 open living labs mainly in Europe but also around the world. Artur Serra has a long experience in working with citizen driven innovation networks in Europe, Canada, Latin America, and the Mediterranean. He has participated in numerous European projects in the area of Internet technologies, applying user-driven methodologies. Currently, he is head of the Strategic Working Group at EnoLL and its mission “Empowering everyone to innovate”.

More recently he is conducting a research group on Living Labs and Digital Social Innovation at i2cat, putting in place the Catlabs network, an innovative project oriented to set up a regional alliance of the different families of “labs” (living labs, fablabs, telecenters, science shops,...) as part of the Regional Innovation Strategy. The underlying hypothesis is looking for the generation of an open, collaborative and universal innovation system in Catalonia, a collaboratory, as part of The Lab.

Building The Lab

Open Science is part of a process started with open Innovation, open source, open access. But the challenge that Open Science is announcing is even bigger. Science is a knowledge and a community. How could really transformed the selective and specialized community of scientists into an open community?

We can find a possible solution through the global movement of open labs.

In 2018 four billion people are already connected to the same network that only few decades ago was the exclusive domain of the science and technology community: The Internet. Over this infrastructure a global movement of open labs of all kinds is emerging: living labs, fablabs, citilabs, edulabs, biolabs, ... even policy labs. A movement that has a precedent in the old science shops and which is growing at the same time of the citizen science movement.

Could all these initiatives converge towards universal research and innovation ecosystems? Some visionary EC official is suggesting that Europe 2030 can become The Lab. This presentation will introduce the Catlabs program and the different projects dedicated to transform this vision into reality in Catalonia.



Marion Dreyer, Deputy Scientific Director at DIALOGIK gemeinnuetzige GmbH, Stuttgart, Germany

Marion Dreyer serves as Deputy Scientific Director at the non-profit research corporation DIALOGIK. She is one of (three) shareholders of DIALOGIK, a research institute for the investigation of innovative communication and participation processes in planning, policy making, and conflict resolution. The focus of her research is on the opportunities and challenges of engagement of stakeholders and the wider public in new science and technology developments and transdisciplinary/transformational research, and on innovative formats and policies for such engagement. A lot of her research in these areas has been on issues of risk, uncertainty and resilience, risk governance is one of her main fields of interest. Marion has been coordinator of the EU-funded project Promoting societal engagement in research and innovation: Moving towards Responsible Research and Innovation (PROSO, Jan 2016-Feb 2018) and is leader of a subproject of the ongoing nationally funded transdisciplinary research project Energy Transition Navigation System which has the mandate to help mastering Germany's Energiewende (energy transition).

How to promote the engagement of third sector actors and stakeholder cooperation in research? On barriers and innovating policies and practices

The concept of ‘Responsible research and innovation’ (RRI) carries the vision for a new governance of research and innovation in which the engagement of citizens and civil society organizations is one core concern and central element. RRI might open new windows of opportunity to policies fostering societal engagement in research and research policy making and so build on a trend that can be identified for the last decades, during which experiments and experiences with societal engagement in research have proliferated. However, there is increasing recognition that mainstreaming of societal engagement faces specific barriers which cannot be addressed by innovative formats and methods of engaging non-scientific actors only. Based on a synthesis of the empirical results of the EU-funded PROSO project (Jan 2016- Feb 2018) the presentation will set out six key barriers to the engagement of third sector actors with research and with research and innovation policy. We speak of engagement of third sector actors, when individuals are invited as members or representatives of formal organizations beyond the state and the market (for instance, environmental organizations,

patient organizations, or trade unions), or as participants in informal coalitions such as campaigning or community groups, projects, or networks. The presentation will further identify a range of policy and practice options on the national and European Union level sorted by the types of actors deemed most relevant for taking action for addressing these barriers. While the presentation will focus on the inclusion of third sector actors, other stakeholders such as business will also be addressed.

The main argument will be: If we want to foster the engagement of those who were traditionally not involved in research, we might need – at times rather radical – innovations and adaptations in research and funding policies and structures and in the science and educational systems. These innovations and adaptations shall: facilitate this engagement through support of resources; provide opportunities to improve self-efficacy of third sector actors through engagement; and help providing unbiased processes of identifying e.g. solutions for grand societal challenges or new approaches to funding research on such challenges. What is foremost needed is that the conception of RRI becomes institutionally and structurally stronger. Further, it requires that policies for fostering engagement do not exclusively focus on invited forms of engagement but also acknowledge and encourage pro-active and self-organized forms. In sum, the presentation seeks to encourage reflections, first, on the high degree of change that seems to be required if mainstreaming of societal engagement in research and R&I policy was actually to be implemented, and second, on the blind spot of how invited and self-organized engagement can play together in a vision of a more democratic governance of research and innovation.



René von Schomberg, Teamleader Open Science policy at European Commission, Brussels, Belgium

Dr.phil. RENE VON SCHOMBERG is an STS specialist and philosopher. He holds Ph.D's from the University of Twente (NL) (Science and Technology Studies) and J.W.Goethe University in Frankfurt (Philosophy). He has been a European Union Fellow at George Mason University, USA in 2007.

He is currently Guest Professor at the Technical University of Darmstadt, Germany. He has been with the European Commission since 1998. He is author/co-editor of 14 books and numerous articles and publications: many of those can be freely downloaded from his personal blog: <https://renevonschomberg.wordpress.com>

Open Science

I will explain the rationale of Open Science, which will bring us a more reliable and efficient science as well a science which is more responsive to societal demands.

Open Science can be characterized 'as sharing knowledge, data and information as early as possible in the research process with as many relevant actors'. Knowledge sharing in open science is sharing knowledge with a much broader circle of knowledge producers than the classical academics. 'Knowledge coalitions' among academics, industry and citizen organisations will make it possible to direct and re-direct science to deliver on innovations which are societal beneficial. Horizon Europe will feature mechanisms for the co-design of research agenda's and mission- oriented research by involving a diverse set of stakeholders.

Building on Horizon 2020, the new framework programme – Horizon Europe – is designed to offer the possibility to practice open science, not just by delivering outputs of science in an open way, such as open access to publications and data, but also by employing open inputs to scientific discovery process- e.g. open data systems such as those from European Space Agency, providing valuable open inputs to those who study climate change and other ecological impacts.

Friday, October 5, 2018

Flash talks poster session



Nadja Gmelch, Head of projects - Coordinator of the Open Science Action Plan at Universitat Oberta de Catalunya (UOC), Barcelona, Spain

Chair of flash talks poster session (Agora).

Read bio in page 7.

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1. Engaging in the Quadruple Helix innovation framework: bringing together citizens, academics, educators, and the public health sector in the fight against disease vectors. Aitana Oltra, Roger Eritja, Marina Torres, Santi Escartín and Frederic Bartumeus.
 2. ResearchProof – a blockchain platform to foster open-access publication and transparent peer-review. Adriano Bonforti.
 3. Science Shop as a tool for Stakeholders engagement. First experience at the Institut Pasteur de Tunis in the context of the H2020 InSPIRES project. Hichem Ben Hassine, Chayma Bensaoud, Amine Ghrabi, Anissa Chouikha, Amira Ghodhbane, Henda Triki, Sonia Maatoug, Najet Hadhri, Latifa Bousselemi, Lobna Zakraoui, Zeineb Gammar, Aly Bouzwida, Cyrine Bouabid and Sonia Abdelhak.
 4. Analysis and Benchmarking: Self-assessment of views and practices on Open Science. ORION project. Marina Jiménez, Victor López and Digna Couso.
 5. Scientists that want to have a voice! Laura Diaz, Olivia Tort, Vittoria Spinosa and Yoran Beldengrün, SciDF association.
 6. EGA: opening the undisclosable. Audald Lloret-Villas, Nino Spataro and Jordi Rambla.
 7. Putting Open Science into action in the Photovoltaic Sector. Ana Belén Cristóbal and Carlos del Cañizo
 8. The Assessment System for Health Research in Catalonia (SARIS), an example of responsible and transformative assessment. Paula Adam, Maite Solans Domènech, Núria Radó-Trilla, Ion Arrizabalaga and Esther Vizcaíno.
 9. Adoption of open tools and methodologies: a multifaceted approach from a scientific facility. Toni Hermoso Pulido.
 10. Co-ResponHIVility, a transformative network on HIV and other STIs prevention. Rosina Malagrida and Josep Carreras.
-

Parallel Sessions (9:30-12:30h)

1. Open Access – Room Pi (floor -2)



Ernest Abadal, Professor of the Faculty of Library and Information Science, University of Barcelona, Barcelona, Spain

Main researcher of the project “Open Access to Science in Spain” (Spanish R+D Plan), coordinator of the research network Maredata (focused on research data management) and director of the research center “Information, Communication and Culture”.

Publications: <https://goo.gl/desDMY>



Patrick Gámez, ICREA Research Professor in bioinorganic chemistry at University of Barcelona and president of the Association Science Squared, Barcelona, Spain

Patrick Gamez received his PhD at the University of Lyon and was awarded the French Chemical Society Prize for his PhD research. After postdoctoral stays at the MPI für Kohlenforschung (Germany) and at the University of Strasbourg (France), he became research associate at Leiden University (The Netherlands). Since October 2010, he is ICREA Research Professor in bioinorganic chemistry at the Universitat de Barcelona. His research group is financed by the MICINN and is recognized by the Catalan Government. He is the (co-)author of over 234 publications (h-index: 53; >10500 citations). He is president of the Association Science Squared, vice-president of the Spanish Bioinorganic Chemical Society and Editor-in-chief of the journal Chemistry Squared. He is member of the Royal Society of Chemistry, Royal Spanish Society of Chemistry and the Advisory Board of Inorganic Chemistry Frontiers. He has been Associate Editor of RSC Advances (2015-2017). Since June 2016, he is Fellow of the RSC.

Also, from the previous day of conferences:

- **Colleen Campbell**, Open Access 2020 Partner Development at Max Planck Digital Library, Munich, Germany
- **Patricia Clarke**, Programme Manager at Health Research Board Ireland, Dublin, Ireland

2. Ethics, Integrity and Reproducibility in Science – Room Curie (floor 0)



Bernd Pulverer, Chief Editor at The EMBO Journal and Head of Scientific Publications at European Molecular Biology Organization (EMBO), Heidelberg, Germany

Following undergraduate studies in Cambridge, Bernd received his PhD in 1992 from the Ludwig Institute for Cancer Research, London, for uncovering posttranslational regulation of the transcription factors c-Jun and c-Myc by the JNK and MAP kinases. He carried out postdoctoral research at the Ontario Cancer Institute, Toronto, the Fred Hutchinson Cancer Research Center, Seattle and at the University of Innsbruck. Bernd was associate and then senior editor at Nature from 1999 until 2002 and subsequently chief editor of Nature Cell Biology. He has been the chief editor of The EMBO Journal and Head of Scientific Publications at EMBO since 2009. He leads the development and execution of EMBO Press’s publication strategy. His fields of interest includes quality assurance, reproducibility, transparency and integrity in scientific communication.



Cédric Notredame, Senior Principal Investigator at Centre for Genomic Regulation, Barcelona, Spain

Cédric Notredame is a group leader at the Centre for Genomic Regulation (CRG) in Barcelona (Spain) that he joined in 2007. Molecular biologist by training, he graduated from Toulouse University and completed his PhD in Bioinformatics in 1998, at the EMBL-EBI (Cambridge, UK). After a Post Doc at the NIMR-MRC in the lab of Willie Taylor, Cedric became a CNRS staff scientist (Marseille) and a group leader at the Swiss Institute of Bioinformatics (Lausanne). His main interests lie in the development of novel algorithms for the multiple comparison of evolutionarily related sequences and subsequent phylogenetic or structural modelling. He is the leading author of T-Coffee, a popular multiple sequence alignment packages able to combine structural information and sequences. More recently Cedric's group has developed an interest for reproducibility and large-scale benchmarking that (www.nextflow.io). Cedric is also well known for having co-authored with Jean-Michel Claverie the book "bioinformatics for Dummies". Over the last 20 years, Cedric has published more than 80 publications in peer review journals that have received over 14,000 citations.

Also, from the previous day of conferences:

- **Itziar de Lecuona**, Lecturer at Bioethics and Law Observatory and visiting researcher of UNESCO Bioethics program, Barcelona, Spain
- **Ian Sullivan**, Transparency and Openness Training Coordinator at Center for Open Science, Richmond, VA, USA

3. Research Evaluation - Room Sigma (floor -2)



Paula Adam, Head of Research at AQuAS, Barcelona, Spain

Head of Research at the Agency of Health Quality and Assessment of Catalonia. Co-founder of the International School on Research Impact Assessment and former economist at the OECD. Proud of having coursed my PhD in Economics at the European University Institute, Florence, Italy.



Eduard Aibar, Professor of Science and Technology Studies at Universitat Oberta de Catalunya (UOC), Barcelona, Spain

Eduard Aibar is Professor of Science and Technology Studies at the Arts & Humanities Department, Universitat Oberta de Catalunya (UOC). He has been the director of the Internet Interdisciplinary Institute and vice-president for research at UOC (2005-2009). He is currently leading a research group on Open Science and Innovation. His research has focused on the interaction between scientific and technological development and organizational and social change in areas such as eGovernment, town planning and the Internet. He is presently leading a research project on the scientific and technological content of Wikipedia articles.



Israel Rodríguez, Researcher at Universitat Oberta de Catalunya (UOC), Barcelona, Spain

I'm currently Full Research Professor at the IN3 – Universitat Oberta de Catalunya (UOC). My field of research is the so-called STS (Science and Technology Studies) and the study of new forms of technical democracy (social experimentation, public debate and mobilization). I'm particularly interested in understanding the role of technoscience in new health and social care activism and in public engagement and participation in disaster situations. I hold a degree in Psychology from the Universitat Autònoma de Barcelona (with honours). I received my PhD from Universitat Autònoma de Barcelona (with honours) for the PhD thesis entitled: "The symmetrical turn in the study of collective action: the ecological controversy of Doñana". From 2002-2016 I have worked as Associate Professor in the Department of Psychology and Educational Sciences at UOC. Since 2016 I'm coordinating CareNet Research Group. I have been visiting researcher at Loughborough University (2002), Centre for the Study of Invention and Social Process, Goldsmiths College, London (2009; 2010-2012) and Instituto de Sociología, Pontificia, Universidad Católica de Chile (2015). I am member of the European Association for the Study of Science and Technology (EASST) & of the Society for Social Studies of Science (4S). As member of the Local Committee, I recently co-organised the 2016 EASST/4S Joint Conference in Barcelona.

Also, from the previous day of conferences:

- **Ismael Ràfols**, Research Fellow at Ingenio (CSIC-UPV), Universitat Politècnica de València, Valencia, Spain

4. Stakeholders and Citizen Engagement - Room Tau (floor -2)



Àlex Argemí, Head of Marketing and Communication at Catalan Institute of Nanoscience and Nanotechnology (ICN2), Barcelona, Spain

Degree in Biology (University of Barcelona, 2001), Master in Science Communication (Universitat Pompeu Fabra, 2002), Master in Translational Medicine (University of Barcelona 2011). After coordinating for over 10 years the communication activities at IDIBAPS, a biomedical research center attached to the Hospital Clínic of Barcelona, since 2014 Àlex Argemí leads the Marketing and Communication Department at the Institut Català de Nanociència i Nanotecnologia (ICN2).

The main activities he coordinates are: Defining and overseeing communication policies and activities; Writing, correcting /translating and editing texts of primarily scientific nature. Producing and updating web and print - based promotional materials; Reviewing and evaluating marketing activities, events and materials, and recommending future initiatives; Establish partnerships in communication and media, network with related organisations to exchange best practices; Outreach activities: conferences, school visits, museums.



Elisabetta Broglio, Citizen Science Facilitator at Centre for Genomic Regulation (CRG) and at Barcelona Citizen Science Office, Barcelona, Spain

Elisabetta is working as *citizen science facilitator* at the CRG (Center for Genomic Regulation) for the projects Stick Out Your Tongue www.sacalengua.org [a project to involve students, patients and general public at different levels of the entire cycle of research in oral microbiome], and ORION: Open Responsible Research and Innovation to Further Outstanding Knowledge [a project to explore ways how research and funding organizations in life sciences and biomedicine can open up the way they fund, organize and do research <http://www.orion-openscience.eu/>. Horizon 2020].

She also collaborate with the Barcelona Citizen Science Office, promoted by the City Council with the aim to empower citizens through their involvement in the research process. She is coordinating the development of citizen science activities and events performed by different cit-sci projects in collaboration with schools (Citizen Science and Education) and civic centres or libraries (Citizen Science in the Neighborhoods). <https://www.barcelona.cat/barcelonaciencia/ca/ciencia-ciudadana>

Broglio previously worked at the Institute of Marine Science (ICM-CSIC), where she was the Head of Communication and Outreach Department for more than 10 years. She turned into a passionate of the citizen science approach with Observadores del Mar (www.seawatchers.org); as coordinator of this project from 2009 to 2016, Elisabetta was in charge of design and run participatory processes in marine research with fisherman, divers, schools, city council institutions, governmental entities, museums, etc.

She holds a PhD in Marine Biology, and a PostDoc in Science Communication and Public Engagement.

Also, from the previous day of conferences:

- [Marion Dreyer](#), Deputy Scientific Director at DIALOGIK gemeinnuetzige GmbH, Stuttgart, Germany
-

Session 5: Government and funders initiatives



[Maria Jesús Pinazo](#), Assistant Research Professor at Barcelona Institute for Global Health (ISGlobal), Barcelona, Spain

Chair of session 5.
Read bio in page 7.



[René von Schomberg](#), Teamleader Open Science policy at European Commission, Brussels, Belgium

Read bio in page 14.



[Robert van der Vooren](#), Open Science Consultant at Robert Consultancy, Netherlands

Robert van der Vooren is an international open science consultant since 2018. At the moment working for higher education organizations in Norway, Ireland, Belgium and Netherlands. He started his open science specialization as national open access negotiator for the Dutch universities in 2014 in. With innovative negotiations a massive increase of open access was achieved at no extra cost (offsetting deals). Robert was co organizer of the Amsterdam Call to Action during the 2016

Dutch Presidency of the EU. In 2017 and 2018 he designed and implemented a research data strategy for the Radboud University. Robert is a special advisor in the EUA expert group Open Science 2.0.

Actionable open science

Most of us will agree to the statement that of all open science components, open access is the most advanced. With a history of nearly two decades of advocacy, declarations and initiatives open access of publications is a widely known concept. However, from concept to reality is a big step. Research funding organizations played their role in funding requirements. University library advocated new business models. But the bigger system change has not yet emerged. University consortia of the Netherlands, Germany and Sweden seem to take a pragmatic course in open access negotiations. Although the outcome is unpredictable, the approach is actionable and this seems to resonate with recent publications such as the LERU report about the need of open science change. In a short presentation we will highlight pragmatic, actionable plans for open access and open data strategies.



Maria Fernanda Rollo, Secretary of State for Science, Technology and Higher Education at Government of Portugal, Lisbon, Portugal

Maria Fernanda Rollo took her PhD in Contemporary History at the Faculdade de Ciências Sociais e Humanas da Universidade Nova de Lisboa. She is an Associate Professor in the same faculty.

As a researcher and former President of the Institute for Contemporary History, Prof. Fernanda Rollo has coordinated research projects and has published several texts in the areas of Economic and Social History, History of Portugal, and History of Innovation and Organization of Science.

Open Science for Sustainability. Sharing knowledge for peace and development

Science, knowledge, is universal. The critical and creative thinking associated to it is vital for us to understand the world we live in and to solve issues that the planet and societies currently face.

Science is a common good, it belongs to everybody and it should benefit everybody. Its universality, allied to its capability to change, is the condition that allows it to cross political, cultural and psychological borders.

The dissemination and sharing of the results, by making them accessible and beneficial by everybody, is a decisive path for the construction of a fairer, more democratic society.

Open Science implies a commitment with society in the production, access, sharing and use of science and of general knowledge, and its construction for sustainable development. Open Science is more than open access data and publication provision, it is the opening up of the scientific process as a whole, reinforcing the concept of scientific social responsibility, through engaging not only the scientific community, but also the business world, and the society in general, increasing knowledge and the recognition of social and economic impacts of science. Open Science is a means to promote the convergence between Science and Society and the appropriation of science/knowledge by society. It is in itself a vehicle for the dissemination of the purposes of 17 SDO; a catalyser for its direct engagement (citizen science, co-production, co-innovation...), by creating contexts for proximity and stimulating its appropriation by citizens and institutions, besides the dialogue with public policies.

The Open Science ecosystem is wide and extends beyond the scientific and technological system in the multiple relations in which it meets its diverse partners as to social and political dynamics. It crosses several circumstances, particularly after the affirmation of the digital era.

In Portugal we are implementing an Open Science National Policy, aiming to contribute to the accomplishment of the 2030 Agenda, among other challenges.

Amongst the main objectives of the Portuguese strategy for Open Science, there is the necessity for a coherent and consequent policy, which should be conscious of the need to adjust the mechanisms for scientific evaluation and for funding of the practices and models for open science. These should comply with institutional, scientific, disciplinary and methodological diversity, without which the aims of opening up science are at risk of being strongly undertaken.

POSTERS

1. Ana Belén Cristóbal and Carlos del Cañizo. Putting Open Science into action in the Photovoltaic Sector.
2. Adriano Bonforti. ResearchProof –a blockchain platform to foster open-access publication and transparent peer-review.
3. A. Estany, S. Villanueva, R. Malagrida, F. Laia and C. Folch. Community-based participatory research project on HIV-related stigma in collaboration with secondary school students.
4. Aitana Oltra, Roger Eritja, Marina Torres, Santi Escartín and Frederic Bartumeus. Engaging in the Quadruple Helix innovation framework: bringing together citizens, academics, educators, and the public health sector in the fight against disease vector.
5. Alexandre López-Borrull, Candela Ollé, Ernest Abadal and Agustí Canals. 10 strategic considerations for the management of open research data.
6. Audald Lloret-Villas, Nino Spataro and Jordi Rambla. EGA: opening the undisclosable.
7. Edgar Garriga Nogales. Nextflow integration for the Research Object specification.
8. Elisabetta Broglio, Annick Labeeuw, Gloria Lligadas and Toni Gabaldón. Evolving citizen science projects to improve engagement, data sharing and impact.
9. Esmitt Ramírez, Carles Sánchez, Agnès Borrás, Marta Diez, Antoni Rosell and Debora Gil. Virtual Bronchoscopy Exploration Software for Planning Biopsy of Pulmonary Lesions.
10. Eva Arnaiz, Silvia Casellas and Jose Mateos. How to improve patient retention in Clinical Trials.
11. Franco Bagnoli, Giovanna Pacini and Giorgio Signorini. Open Science for Education: The interplay of science cafés, science shop and interdisciplinary research in the University of Florence.
12. Helene Brinken and Andrea Riccio. New training tools for RRI and Open Science.
13. Hichem Ben Hassine, Chayma Bensaoud, Amine Ghrabi, Anissa Chouikha, Amira Ghodhbane, Henda Triki, Sonia Maatoug, Najet Hadhri, Latifa Bouselmi, Lobna Zakraoui, Zeineb Gammar, Aly Bouzwida, Cyrine Bouabid and Sonia Abdelhak. Science Shop as a tool for Stakeholders engagement. First experience at the Institut Pasteur de Tunis in the context of the H2020 InSPIRES project.
14. Inés Cambra, Nadja Gmelch and Pastora Martínez. “**The O stands for Open**”. The UOC strategy towards Open Science.
15. Laura Diaz, Olivia Tort, Vittoria Spinosa and Yoran Beldengrün; SciDF association. Scientists that want to have a voice!
16. Lidia Arroyo. Doing open and collaborative science from a gender perspective.
17. Maite Solans Domènech, Ion Arrizabalaga, Núria Radó-Trilla and Paula Adam. Patient engagement in biomedical research: lessons learned from metrics and current practices.
18. Marco Di Stefano, Juan Antonio Rodríguez, Adriano Bonforti, Elisabetta Broglio and Marc A. Martí-Renom. Genigma: a videogame designed by citizens for citizens.
19. Marina Jiménez, Victor López and Digna Couso. Analysis and Benchmarking: Self-assessment of views and practices on Open Science. ORION project.
20. Mark Sarvary and Kitty Gifford. Informal education via science cafes: promoting open science and enhancing scientific literacy.

21. Paula Adam, Núria Radó-Trilla, Montserrat Daban, Maite Solans-Domènech, Esteve Arboix, Cristina Borràs, Roger Cabezas, Xavier Lasauca, Jordi Mas, Alba Morales, Eddy Nason, Alba Puigdomènech Cantó, Toni Dedeu and Francesc Subirada for the RIACAT Group. Preparing the future: developing a research impact assessment capacity among stakeholders in Catalonia.
22. Pablo Baztan, Luis F. Ruiz-Orejón, Gemma Agell-Llobet, Juan Baztan, Nayeli Bernal-Mendoza, Ana Carrasco, Oscar Garcia, Thierry Huck, Bethany Jorgensen, Rafael Mesa, Aquilino Miguelez, Octavi Planells, Cristina Puig, Jean-Paul Vanderlinden and Maria Vicioso. The Zero Plastic initiative: 10 years of Citizen Participation.
23. Paula Adam, Maite Solans Domènech, Núria Radó-Trilla, Ion Arrizabalaga and Esther Vizcaino. The Assessment System for Health Research in Catalonia (SARIS), an example of responsible and transformative assessment.
24. Paula Clemente Vega. The Open Library of Humanities, a Sustainable Scholar-led Model for Open Access Without Publication Fees.
25. Ramon Ribera-Fumaz, Isabel Ruiz-Mallén, Laura Calvet-Mir and Carlos Cámara. Unitat Mòbil Oberta: a Glocal model of knowledge co-production and social innovation.
26. Remedios Melero and Helen Brinken. FOSTER Plus - facilitating Open Science training for researchers.
27. Rosina Malagrida and Josep Carreras. Co-ResponHIVility, a transformative network on HIV and other STIs prevention.
28. Rosina Malagrida and Marina Pino. Fit4Food, a transformative network to promote healthy diets.
29. Toni Hermoso Pulido. Adoption of open tools and methodologies: a multifaceted approach from a scientific facility.
30. Alexandros Nikolaus. ORION: Open Responsible research and Innovation to further Outstanding Knowledge.
31. Andre Faure. Authorwise.org: A team-driven approach to authorship decisions.
32. Rebecca Lawrence. OSPP-REC: **EU's Open Science Policy Platform recommendations on fostering Open Science.**
33. OpenAIRE: Shaping and Informing Open Science in Europe.
34. Elinor Thompson, Joana Porcel, Damjana Kastelic and Maruxa Campos Martínez. Six for one, one for fifteen hundred– fostering a culture of integrity in the PRBB.
35. Mary Hirsch. The role of research management in *Open Science*.

PRACTICAL INFORMATION

Venue: CosmoCaixa Barcelona



CosmoCaixa Barcelona
C/ Isaac Newton, 26
08022 Barcelona, Spain

Conference room
Agora Room (-2 floor)

Free wifi 

1. Select [wifi_cosmocaixa_bcn](#)
2. Open an Internet Browser
3. The page of CosmoCaixa will appear. Follow the instructions

Security issues:

The conference room will remain open. Please take care of your personal belongings, specially in the breaks. The Organizers won't be responsible of any loss or robbery occurred in the context of B-Debate.

Contact persons during the event



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www.bdebate.org | www.biocat.cat

SUGGESTED READING

- How open science helps researchers succeed.
McKiernan EC, Bourne PE, Brown CT, Buck S, Kenall A, Lin J, McDougall D, Nosek BA, Ram K, Soderberg CK, Spies JR, Thaney K, Updegrave A, Woo KH, Yarkoni T.
Elife. 2016 Jul 7;5. pii: e16800. doi: 10.7554/eLife.16800.
- Scientific Utopia: II. Restructuring Incentives and Practices to Promote Truth Over Publishability.
Nosek BA, Spies JR, Motyl M.
Perspect Psychol Sci. 2012 Nov;7(6):615-31. doi: 10.1177/1745691612459058.
- Open innovation, open science, open to the world: reflections of the Research, Innovation and Science Policy Experts (RISE) High Level Group. A manifesto for reproducible science.
Marcus R. Munafò, Brian A. Nosek, Dorothy V. M. Bishop, Katherine S. Button, Christopher D. Chambers, Nathalie Percie du Sert, Uri Simonsohn, Eric-Jan Wagenmakers, Jennifer J. Ware & John P. A. Ioannidis. *Nature Human Behaviour* 1, Article number: 0021 (2017). doi:10.1038/s41562-016-0021
- Royal Society. Science as an open enterprise: open data for open science. 2012.
http://royalsociety.org/uploadedFiles/Royal_Society_Content/policy/projects/sape/2012-06-20-SAOE.pdf.
- Open Science National Plan, The Netherlands, 2017
https://www.openscience.nl/binaries/content/assets/subsites-evenementen/open-science/national_plan_open_science_the_netherlands_february_2017_en_.pdf

OUTCOMES

B·Debateca

On the website of B-Debate, you will find all the information related with the celebration of the meeting that includes reports, conclusions, scientific documents, interviews with the experts, speaker's CVs, videos, images, press documentation and other related materials. We invite you to visit the section B-Debateca on www.bdebate.org

Contents of the meeting: "Open science: from values to practice. Building a roadmap for transformative change"

B-DEBATE International Center for Scientific Debate BARCELONA

INICI B-DEBATE CONVOCATORIA **DEBATECA** NOTICIES SINOPSIS PREMSA CONTACTE

Programa anual 2017/20

PROGRAMA 2017/18

PROGRAMA 2016/17

HISTÒRIC DE DEBATS

CICLES DE DEBATS

20/04/2017 a 21/04/2017
The Genotype Tissue Expression (GTEx) Project Community Meeting. Enhancing the Usage of Human Genomics for the benefit of all
El projecte Genotype-Tissue Expression (GTEx) ha creat un mapa públic d'expressió i regulació gènica a través de múltiples teixits humans. Aquest recurs ja està proporcionant informació valuosa sobre els mecanismes específics de la regulació de gens en teixits, donant lloc a estudis sobre l...

23/05/2017 a 24/05/2017
Zika virus and other mosquito-borne viruses. Science for preparedness and response in the Mediterranean region
L'epidèmia global de Zika ens recorda el risc real d'importar patògens exòtics a la regió

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International Center
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BARCELONA



B-Debate International Center for Scientific Debate Barcelona is a joint initiative of Biocat and “**la Caixa**” Foundation. It drives first-rate international scientific debates, to foster dialogue, collaboration and open exchange of knowledge with prestigious national and international experts, to approach complex challenges of high social interest in life sciences. B-Debate sees debate as a powerful, effective way to generate knowledge and strives to help position Barcelona as a benchmark in generating knowledge and Catalonia as a country of scientific excellence.

The debates are top-notch international scientific meetings featuring a selection of experts of renowned international prestige and scientists that work in Barcelona and Catalonia, moderated by scientific leaders. Since 2009 B-Debate has invited about 1750 recognized speakers and over 13.000 attendees. B-Debate seeks out answers to the challenges and needs of society in the field of life sciences, taking into account the complex, ever-changing conditions of this global world. The debates foster the integration of different disciplines of science and deal with such diverse topics as ageing, new therapeutic approaches to various diseases, innovative technology to improve knowledge of the human genome, food resources, new tools to integrate knowledge management, clinical genomics, neurosciences, climate change, and new energy sources, among others. The knowledge and results obtained through these events is spread throughout both the scientific community and general society through the various B-Debate channels and instruments.

More info: www.bdebat.org



The Centre for Genomic Regulation (CRG) is an international biomedical research institute of excellence, created in December 2000. It is a non-profit foundation funded by the Catalan Government through the Departments of Business & Knowledge, the Spanish Ministry of Science, Innovation & Universities, the “la Caixa” Banking Foundation, and includes the participation of Pompeu Fabra University.

The mission of the CRG is to discover and advance knowledge for the benefit of society, public health and economic prosperity. The CRG believes that the medicine of the future depends on the groundbreaking science of today. This requires an interdisciplinary scientific team focused on understanding the complexity of life from the genome to the cell to a whole organism and its interaction with the environment, offering an integrated view of genetic diseases.

The CRG is a unique centre in Spain, based in an innovative organization research model. Group leaders at the CRG are recruited internationally and receive support from the centre to set up and run their groups. An external Scientific Advisory Board, made up of 15 world leaders in the different areas, evaluates them. The result of evaluations conditions the future of the CRG scientists, no matter whether they have open-ended or time-limited contracts. This ensures the mobility and the renewal of the workforce.

More info: <http://www.crg.eu/>



The UOC is an innovative university that is rooted in Catalonia and open to the world. It offers people lifelong learning through the use of information and communication technologies to help them and society advance, while carrying out research into the knowledge society. Its educational model is based on personalization and accompanying students using e-learning. The UOC was created in 1995 and started its first year with 206 students but today, over 20 years later, it has more than 54,000. Almost 60,000 people have graduated and it has 3,692 members of teaching staff. Since its creation, the UOC has become a global university that views education as a force for people’s development and well-being, wherever they may be.

As part of its strategy to become an even more global university with a wider social impact, the UOC has adopted the United Nations Agenda 2030 for sustainable development as its road map and just launched its OPEN Action Plan that promotes Open Science and open education as an institutional wide strategy.

More info: <http://www.uoc.edu/>



The University of Barcelona is the most formidable public institution of higher education in Catalonia, catering to the needs of the greatest number of students and delivering the broadest and most comprehensive offering in higher educational courses. The UB is also the principal centre of university research in Catalonia and it has become a European benchmark for research activity, both in terms of the number of research programmes it conducts and the excellence these have achieved.

Its own history closely tied to the history of Barcelona and of Catalonia, our university combines the values of tradition with its position as an institution dedicated to innovation and teaching excellence: a university that is as outward-looking and cosmopolitan as the city from which it takes its name.

More info: <http://www.ub.edu>



The Living Lab for Health at IrsiCaixa aims to transform the R&I system to make it more open, inclusive and transdisciplinary inspired with methodologies that follow Responsible Research and Innovation (RRI) and Open Science & Open Innovation criteria. We promote multistakeholder engagement interfaces where different actors are invited to participate in the R&I process at different phases of the value chain (priority setting, project design & execution, implementation, evaluation, dissemination). We also offer consultancy services and training workshops to develop the necessary competencies for transformation. The final outcome is to increase social impact of R&I and to make it more legitimate. The Lab has participated in more than 6 EC funded projects related with RRI and has already trained more than 3,000 researchers on this needed transformative change.

The Lab is located within the IrsiCaixa Research Institute, which is located within the Germans Trias Hospital, and is an international landmark and leading centre for research into the eradication of HIV/AIDS and related diseases. IrsiCaixa researchers also tackle other biomedical challenges, such as those associated with the microbiome and **emerging infectious diseases**. It is funded by "la Caixa" Banking Foundation and the Generalitat de Catalunya.

More info: <http://www.irsicaixa.es/>



The Barcelona Institute for Global Health, ISGlobal, is the fruit of an innovative alliance between the "la Caixa" Foundation, academic institutions and government bodies to contribute to the efforts undertaken by the international community to address the challenges in global health.

ISGlobal is a consolidated hub of excellence in research that has grown out of work first started in the world of health care by the Hospital Clínic and the Parc de Salut MAR and in the academic sphere by the University of Barcelona and Pompeu Fabra University. The pivotal mechanism of its work model is the transfer of knowledge generated by scientific **research to practice, a task undertaken by the institute's Education, Innovation, and Policy and Global Development departments**.

Its ultimate goal is to help close the gaps in health disparities between and within different regions of the world.

More info: <https://www.isglobal.org/>

WITH THE SUPPORT OF



<http://www.orion-openscience.eu/>



<http://www.crish.academy/>



InSPIRES

<http://www.inspiresproject>



<https://fit4food2030.eu/>



<https://figshare.com/>



<https://elifesciences.org/>



<http://www.mdpi.com/>

NOTES

