

## Open Access Publishing for Chemistry

### Speaker Biographies

10 November 2020 - Strategy

#### **Dr Martin Hicks**

*Scientific Director, Beilstein Institut*

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Martin G Hicks is a member of the board of management of the Beilstein-Institut where he serves as scientific director. He received an honours degree and PhD in chemistry from Keele University and completed a postdoctoral position at the University of Wuppertal, where he carried out research on semi-empirical quantum chemical methods.

In 1985, Martin joined the computer department of the Beilstein-Institut where he worked on the Beilstein Database project. His subsequent activities involved the development of cheminformatics tools and products in the areas of substructure searching and reaction databases. He organized the first Beilstein Symposium in 1988 and after joining the board of management in 2002 he launched the first Beilstein Open Access journal, Beilstein Journal of Organic Chemistry in 2005.

The Beilstein-Institut is a non-profit foundation based in Frankfurt and fulfils its mission primarily through its own projects involving the dissemination of high-quality scientific information. Open Science is at the heart of the Beilstein-Institut's philosophy. The current core projects revolve around Open Access and Open Data involving developing new publishing paradigms and infrastructures in chemistry and together with the Beilstein Symposia form an important part of the Beilstein-Institut's forward-looking strategy.

#### **Rachel Bruce**

*Head of Open Science, UK Research and Innovation (UKRI)*

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Rachel Bruce is Head of Open Research at UK research and innovation, she is responsible for the breadth of open research across UKRI but this primarily focuses on open access, open research data and responsible research assessment. She has worked in the area of digital technologies and the support of research for a number of years, responsible for developing a network of repositories for research in the UK, in partnership with UK HEIs and technical innovators, and also the introduction of

more open research and learning practices taking advantage of digital technologies. She has advised the European Commission on the European Open Science Cloud and been the UK representative in its Governance, sat on the UK forum for responsible research assessment and is currently a member of G7 Open Science Working Group focused on data infrastructure and incentives. Currently she is leading the UKRI open access policy review.

**Clair Castle MCILIP**

***Librarian, Department of Chemistry, University of Cambridge***

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University of Cambridge

Clair graduated from Loughborough University in 1996 with a Joint Honours degree in Information & Library Studies and German and is a Chartered member of CILIP (Chartered Institute of Library and Information Professionals). Clair has worked at the University of Cambridge for over 20 years in various libraries. She has been managing the Department of Chemistry Library service since October 2013, supporting all research and teaching activities that take place at the Department. She has developed a special interest in research data management - which she teaches to all new Chemistry graduate students - and in scholarly communication and open research.

## 11 November 2020 – Solutions

**Dr Marshall Brennan**

***Manager of ChemRxiv, American Chemical Society***

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Marshall received his Bachelor's in Chemistry with honors from Northeastern University in Boston, MA, during which time he carried out research at Harvard University under the supervision of Professor Tobias Ritter. He completed his graduate work in 2015 at the University of Illinois at Urbana-Champaign in the laboratory of Prof. Alison Fout, studying low-valent cobalt complexes featuring strongly-donating bis(silyl)amide ligands and their catalytic reactivity toward C—N bond formation. He then carried postdoctoral research on rhodium-mediated C—C activation methodology before joining *Nature Chemistry* as an editor for nearly two years. In 2017, Marshall was recruited to lead the launch and development of the American Chemical Society's new preprint server, ChemRxiv, where he now oversees day-to-day operations and business development, leading the service to more than 10,000 daily active users and 2,000,000 total downloads in less than two years. In 2018, Marshall was a recipient of the ACS Catalyst Award and a nominee for Forbes Magazine's "30 Under 30 in Science & Technology". Marshall is based out of the Washington, D.C. office.

## **Dr Tony Ross-Hellauer**

***Leader, Open and Reproducible Research Group, Graz University of Technology***

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Tony Ross-Hellauer is leader of the Open and Reproducible Research Group (ORRG) at TU Graz and Senior Researcher at Know-Center. His research focuses on a range of issues related to open science evaluation, skills, policy, governance, monitoring and infrastructure. Tony has a PhD in Information Studies (University of Glasgow, 2012), as well as degrees in Information and Library Studies and Philosophy. He is coordinator of the EC H2020 project ON-MERRIT researching issues of equity in Open Science and FAIR Data Austria, a major project to advance FAIR data practices at the national level. He is formerly is OpenAIRE Scientific Manager and Editor-in-Chief of the MDPI open access journal 'Publications', is co-author of the Open Science Training Handbook, and co-leads Transpose, a grassroots initiative to build a crowdsourced database of journal policies for preprints and peer review.

## **Professor Cameron Neylon**

***Professor of Research Communication, Centre for Culture and Technology, Curtin University***

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Cameron Neylon is Professor of Research Communication at the Centre for Culture and Technology at Curtin University and well-known agitator for opening up the process of research. His current work focusses on how the cultures of research affect and effect change in research communications. He speaks regularly on issues of Open Science including Open Access publication, Open Data, and Open Source as well as the wider technical and social issues of applying the opportunities the internet brings to the practice of science. He was named as a SPARC Innovator in July 2010 for work on the Panton Principles and was a co-author of the Altmetrics manifesto and the Principles for Open Scholarly Infrastructures. He is a proud recipient of the Blue Obelisk for contributions to open data. He writes regularly at his blog, Science in the Open.

## 12 November 2020 - Perspectives

### **Helen Malone**

***Senior Director, External Data Lead, Data & Computational Science, GlaxoSmithKline***

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Helen Malone is Senior Director, External Data Lead in the Data & Computational Science (DCS) department at GSK. Helen has driven multiple initiatives to evolve the quality and delivery of scientific information to GSK R&D scientists. In her current role, Helen has developed and is leading an innovative External Data Strategy for DCS. Helen is passionate about leveraging relationships between the external information / data industry and information consumers to generate insights and knowledge for our organisations.

Helen is also the President of the Pharma-Documentation-Ring (P-D-R). The P-D-R is a community of experienced knowledge managers and directors from 26 leading pharmaceutical companies in the world.

### **Dr Egon Willighagen**

***Team Leader, Department of Bioinformatics, Maastricht University & Editor-in-Chief, Journal of Cheminformatics (OA)***

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Egon Willighagen studied chemistry and cheminformatics at the Radboud University in Nijmegen, The Netherlands, with a minor in organic chemistry (lipid aggregation) and a major in data analysis of chemical data. He obtained his PhD at the same university in the field of chemometrics in the Analytical Chemistry group of Prof Lutgarde Buydens. This was followed by various research positions at Cologne University, Wageningen University, Uppsala University, University of Cambridge, Karolinska Institute and Maastricht University, with research in the fields of drug discovery, metabolomics and toxicology. He is now a team leader at the Department of Bioinformatics at Maastricht University and

participates as PI in various international projects, with a total funding of over two million euros in the past six years.

His research basically focuses on the question of how to capture chemical and biological knowledge to enable machine learning. He takes advantage of his education in the fields of analytical and organic chemistry. A secondary objective is to enable open science approaches and learning requires data and knowledge to learn from.

Dr Willighagen is recognised for his open science and cheminformatics work, advises in various projects, has been involved in many Open Science projects, such as the Chemistry Development Kit, Jmol, and WikiPathways, is Editor-in-Chief of the Journal of Cheminformatics (one of two), is chair of the Data Management Working Group of the EU NanoSafety Cluster and founding member of the GO FAIR Chemistry Implementation Network.

## **Dr Neil Hammond**

***Publisher for Open Access Journals, Royal Society of Chemistry***

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Neil holds a PhD in Nuclear Physics from Liverpool University, and conducted research at Argonne National Lab in the USA, co-authoring more than 50 articles in peer-reviewed journals, before leaving scientific research to begin a career in academic publishing. He has served in various roles for a number of publishers over the last 15+ years and has worked with a diverse range of academic communities and learned societies. He is currently the Publisher for Open Access Journals at the Royal Society of Chemistry, carrying responsibility for the development

and growth of the RSC's open access journals programme.