

Impact Festival – Wednesday 14th March, National Museum of Scotland

Time	Event	Location
09.00 – 10.00	Registration, tea & coffee	South Hall
10.00 – 10.10	Welcome Hamish McAndrew, Chief Operating Officer, ARMA	Auditorium
10.10 – 10.55	Impact Funding Case Studies <i>Professor Sen Gupta, Heriot-Watt University</i> <i>Title: Reducing arsenic exposure in a remote Bangladesh village by using a chemical and waste free arsenic removal process</i> <i>Dr Charles MacLeod, University of Strathclyde</i> <i>Title: Next Generation Air Travel</i> <i>Dr Anthony Kelly, University of Glasgow</i> <i>Title: Compound Semiconductor Technologies Global on Semiconductor Laser device fabrication</i>	Auditorium
10.55 – 11.25	Coffee break	Event Space
11.25 – 11.55	Impact Funding Case Studies <i>Dr Tom Kelsey, University of St. Andrews</i> <i>Title: MapMySmoke</i> <i>Professor Colin Pulham, The University of Edinburgh</i> <i>with Andrew Bissel, Sunamp Ltd</i> <i>Title: Enhanced Phase-Change Materials for Heat-Storage Applications Edinburgh</i>	Auditorium
11.55 – 12.30	Panel question & answer session	Auditorium
12.30 – 13.20	Lunch & Exhibition (13.20pm delegates assemble to move to break-out rooms)	Events Space & South Hall
13.30 – 14.10	Break-out sessions 1 Breakout session allocations are printed on delegates badges	Auditorium, Boardroom, Bute & Dunfermline Rooms
14.20 – 15.00	Break-out sessions 2 Breakout session allocations are printed on delegates badges	
15.00 – 15.30	Coffee Break (15.30pm delegates assemble to move to break-out rooms)	Events Space
15.30 – 16.10	Break-out sessions 3 Breakout session allocations are printed on delegates badges	Auditorium, Boardroom, Bute & Dunfermline Rooms
16.15 – 16.30	Wrap up & Close	Auditorium

Impact School: Afternoon Sessions

At the time of registering you will have chosen up to 3 of the bite-size workshop sessions that will run in the afternoon. Check your delegate badge to see which sessions you have been assigned to, at what time and in which location!

Writing for Impact

Communicating the benefits of complex research is never easy. By focusing on the reader, this session provides writers with a logical, easy-to-follow, approach to getting their message to a wider audience. Margaret Coffey, journalist and trainer, delivers this session.

Building & Sustaining Relationships

Dr Johann Partridge and Dr Jude Huggan from the Industrial Biotechnology Innovation Centre (IBioIC) will deliver this workshop, which is designed to give attendees an overview of innovation and how to generate impact. They will draw on their experience of developing and sustaining relationships with industry, using these relationships to bring projects to life and to generate meaningful impact for the benefit of both industry and academia, by highlighting tangible examples.

Making Public Engagement Count

This session will highlight the breadth and depth of activity you can develop to engage the public in your research, but what do you need to consider to make it count? Dr Rachel Clark of the University of Strathclyde delivers this session, drawing on examples from the Scotland-wide partnership that delivers Explorathon

Maximising your Impact

Delivered by Anthony Atkin, Research Impact Manager, from the University of Reading, this session will focus on the importance of long-term planning for impact and how to develop approaches to achieving it. It will highlight common mechanisms to reach key stakeholders, which have worked in the physical sciences. This session will also present how approaches to impact develop during the course of a career and how this can enable the achievement of significant change to society and the economy.

Engaging with Policy Makers

This session will be delivered by Scottish Parliament Information Centre (SPICe) to help you explore how SPICe works and its role within the Scottish Parliament. This will include explaining how the Parliament engages with academia through three strands of activity including people (secondments & placements), networks and events. This session will provide you with the knowledge and resources to encourage future engagement with the Scottish Parliament.

Create Impact – how can social media help?

Investigate how social media can be used to connect you with knowledge users and other academics as a pathway to impact. You will briefly explore the purpose of social media as tool for engagement and receive top tips on how to use social media effectively.

Biographies:

Hamish McAndrew, The Association of Research Managers & Administrators (ARMA) – took up the position of Chief Operating Officer in August 2017. He has been a member of ARMA for some years and, between August 2015 and July 2017, a Board Member as well as Acting Treasurer for some of that time. Until May 2017, Hamish led the University of Edinburgh's Research Support Office, which he did for 11 years. He has been involved in research administration and management at Edinburgh for most of his career. He has a particular interest in Arts, Humanities and Social Sciences research funding, having laid the foundations for the research support, knowledge exchange and commercialisation support services in these subject areas at Edinburgh in the late 90's and early noughties. He has also led and been involved in a number of working parties and consultation bodies for research funders and other universities. Prior to his time at Edinburgh, Hamish had a variety of roles in retail, marketing and PR, membership recruitment, and event management.

Professor Sen Gupta, Heriot-Watt University, School of Engineering & Physical Sciences – is an internationally recognized environmentalist who specializes in water issues in the developing countries and is the winner of St

Andrews Prize for the Environment in 2010. He has also won Times Higher Education Award for Outstanding Research Team, World Bank Innovation Fair Championship in Cape Town and Asian Water Industry Award in Kuala Lumpur in 2010 as well as IChemE (UK) Ambani Annual Prize in 2009. His specialist research on arsenic remediation has been cited by MSN, Yahoo, Voice of America, BBC Northern Ireland, Channel 4 news, Times of India, Calcutta Telegraph and many more agencies.

Dr Charles MacLeod, University of Strathclyde, Centre for Ultrasonic Engineering - is a newly appointed lecturer at the University of Strathclyde. His multi-disciplinary research area of automated Non-Destructive Evaluation seeks to address current limitations associated with the integrity inspection of modern High Value Manufacturing components directly at the point of manufacture. His research in the areas of imaging sensors, materials, robotics and automation and electronic instrumentation spans a wide range of disciplines and is the author of over 30 scientific articles in these comprehensive areas.

Dr Anthony E Kelly, University of Glasgow, School of Engineering - has spent over 20 years in industry and academia and has commercialisation and manufacturing experience in the technology sector. He spent 7 years at BT Laboratories and Corning and co-founded Kamelian Ltd and Amphotonix Ltd, raising more than \$30M in venture finance in the process. He joined the Optoelectronics Research Group at the University of Glasgow in 2004 and is currently the Convenor of Postgraduate Research for the School of Engineering. He has published over 200 journal and conference papers on a range of optoelectronic devices and systems and holds a number of patents.

Dr Tom Kelsey, University of St Andrews, School of Computer Science - specialises in data-driven research, using advanced computational techniques to identify, retrieve, classify and analyse data in order to generate hypotheses and develop models. Tom has been leading on the MapMySmoke project with Dr Rob Schick from Computer Science and Prof Gerry Humphris from the School of Medicine at St Andrews, in collaboration with Dr John Marston (General Practitioner, NHS Fife) and Kay Samson (Deputy Health Promotion Manager, NHS Fife). The team have developed a phone app designed to help smokers, who are trying to quit, identify when they are most in need of a cigarette, so they are aware of situations or times which make them vulnerable.

Professor Colin Pulham, University of Edinburgh, School of Chemistry –graduated with a DPhil. in Chemistry from the University of Oxford in 1991. He moved to the School of Chemistry at the University of Edinburgh in 1992 as a Royal Society University Research Fellow before being appointed as a lecturer in 1996, senior lecturer in 2001, and Personal Chair in High-Pressure Chemistry in 2008. Since August 2015 he has been the Head of the School of Chemistry at the University of Edinburgh. He is a founding member of the Centre for Science at Extreme Conditions (CSEC) at Edinburgh and has research interests in the crystallisation of molecular compounds such as pharmaceuticals, energetic materials (explosives, propellants), fuels, and lubricants, under a range of conditions including elevated pressures and temperatures. During his research career, he has published over 100 research papers. His long-standing industrial collaboration with Sunamp is focussed on the development and enhanced understanding of crystalline phase-change materials for compact thermal stores. He has a longstanding interest in public engagement and was awarded the Royal Society Kohn Award for Excellence in Engaging the Public with Science in 2005 and the University of Edinburgh Tam Dalyell Prize in 2011.

Andrew Bissel, Sunamp Ltd - is CEO of the company that designs, produces and sells compact, highly efficient, powerful Heat Batteries that use non-toxic Phase Change Material (PCM) to store heat energy. As well as exceptionally high energy density, they provide hot water at high flow rates, delivering world-leading high power density. This makes them optimal for a wide range of applications, including energy efficiency, grid balancing and renewable energy. Andrew has a BSc Computer Science from University of Edinburgh. He is a successful serial technology entrepreneur: his first company Voxar achieved leading global market share in 3D medical visualisation, with a turnover in excess of €10M and 80+ employees, before exiting at €39M to Barco NV. It is now part of Canon, and employs over 120 people in Edinburgh. Sunamp Ltd is based near Edinburgh, has sold over €3M of product, employs 28 staff, and is poised for growth. Its innovative Heat Battery products are already installed in over 900 homes and businesses, reliably providing low carbon heat and hot water daily to thousands of people.

Margaret Coffey is a journalist, trainer and founding-director of ContentETC. As a trainer she works with major UK organisations to design and deliver programmes to improve the performance of writers across all media channels. Margaret has been delivering “Writing effective impact case studies” training at the University of Strathclyde and St Andrews. She has also produced a number of case studies for Innovate UK. For 35 years she has

written about business and technology for US and UK publications and websites, including BusinessWeek, The Independent, The Financial Times and many others so she has extensive experience of simplifying complex subjects.

Dr Rachel Clark, University of Strathclyde – works within Research and Knowledge Exchange Services to identify and support ways to engage businesses, organisations and the public in research and knowledge exchange opportunities with staff and students at the university. Rachel came to Strathclyde in 2001 to undertake a PhD in medicinal chemistry and stayed on in the Strathclyde Institute of Pharmacy and Biomedical Sciences (SIPBS) to complete six years of postdoctoral research in the field of computational chemistry and drug discovery. From 2007 she managed the SULSA-funded Drug Discovery Portal, then worked in the SIPBS Knowledge Exchange Hub where she had a Business Development role. Rachel moved to her current role in 2013.

Dr Jude Huggan, Industrial Biotechnology Innovation Centre- trained as a Medicinal Chemist (BSc Hons 2002; PhD 2006) and her career has spanned both industry and academia with a focus on cancer and inflammation. Upon completion of her PhD Jude undertook postdoctoral research at Strathclyde, designing and synthesising small molecules for the treatment of rheumatoid arthritis and asthma. Jude has spent time on both the ERC Committee and Athena Swan Committee as well as being a KE Project Champion. Since February 2014 Jude has worked for IBioIC (The Industrial Biotechnology Innovation Centre), firstly as Skills Programme Manager where she was instrumental in setting up the educational programmes offered by IBioIC and its partners (PhD, MSc, HND, STEM). Jude made the move into the Commercial Team at IBioIC in October 2015 and is currently Business Development Manager with a remit for industrial member retention.

Dr Johann Partridge, Industrial Biotechnology Innovation Centre- has over 20 years' experience within the biotech and life sciences sectors. Johann joined the Industrial Biotechnology Innovation Centre (IBioIC) in May 2016 as Industry-Led Project Manager, overseeing the Centre's funding competitions and ensuring delivery of live project outcomes. She subsequently went on to the position of Project Engagement Manager, where she has operational responsibility for the Centre's collaborative projects programme and the open access equipment centres. Her role focuses on maintaining relationships with HEI and industry partners active within the IB sector, identifying opportunities for innovation and ensuring stakeholder expectation. Johann is a chemist by training and carried out her doctoral studies in the Department of Bioscience and Biotechnology at Strathclyde University.

Dr Anthony Atkin, University of Reading – in his role of Research Manager has been heavily involved in developing the University's approach to impact since 2014. Working with Senior Managers he has established an institution-wide impact programme which provides tailored support from impact, communications and knowledge transfer professionals, as well as financial resource, to facilitate the development of impact from research. Anthony leads a team of impact specialists who lead the development of impact culture in their respective areas and provide hands-on support to the university's researchers from the earliest to the most mature impact project.

Damon Davies, Scottish Parliament Information Centre (SPICe) - has a research background in Environmental Science and Geoscience. He recently completed his doctoral studies in Glaciology at the University of Edinburgh, investigating the stability of the West Antarctic Ice Sheet. During his PhD he undertook a three-month placement at SPICe as part of the Research Councils UK policy internship scheme. He now works for SPICe as a researcher, working in the Brexit, Environment and Rural Affairs research unit providing impartial research and analysis to MSPs on devolved policy issues.

Heather Lusardi, National Coordinating Centre for Public Engagement (NCCPE) - in the role of Senior Project Manager, is responsible for the development and delivery of key NCCPE products and services, including the professional development programme and events programme. A political scientist by training, Heather previously managed the Developmental Leadership Program (DLP), an international research initiative based at the University of Birmingham. Her work included research on leadership and the politics of development, leading on policy engagement, and embedding collaborative research processes into all aspects of the program.