

# Speakers and Session Chairs Bio's

## 7<sup>th</sup> June

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### *Professor Virginia Murray*

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**Virginia Murray** is a public health doctor committed to improving health emergency and disaster risk management. She was appointed as Head of Global Disaster Risk Reduction for UK Health Security Agency (formerly Public Health England) in April 2014. She is a member of the Integrated Research on Disaster Risk (IRDR) scientific committee and co-chair of IRDR's Disaster Loss Data (DATA) and is currently the Chair of the UNDRR/ISC Hazard Classification and Review Technical Working Group, with the report published in 2020 and the UNDRR-ISC Hazard Information Profiles: Supplement in 2021. She is a member of CODATA Executive Committee. She is a co-chair of the WHO Thematic Platform Health and Disaster Risk Management Research Network, and by working in collaboration with this network, she is one of the editors of the WHO Guidance on Research Methods for Health and Disaster Risk Management, published in October 2021 and updated in 2022. She is a visiting/honorary Professor and fellow at several universities.



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### *Professor Timothy Gant*

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**Timothy Gant** is Head of the Department of Toxicology at UKHSA and Visiting Professor at Imperial College London School of Public Health. He trained in Toxicology and Pharmacology at the School of Pharmacy, University College London (undergraduate, joint honors, and postgraduate, PhD). He is a European Registered Toxicologist, Fellow of the British Society of Toxicology and Member of the American Society of Toxicology. He undertook postdoctoral periods with the National Cancer Institute, Bethesda USA (1988 to 1993) and Medical Research Council (MRC) UK (1993 to 2002). He was appointed to tenure in the MRC in 2002 and served as group leader with the MRC (2002 to 2011). In 2011 he moved to a position within the Health Protection Agency (HPA), a Non-Executive Agency of the UK government to pursue interests in the translation of science to Public Health, Toxicology research, and training in government. The HPA subsequently transitioned to Public Health England (PHE) as an Executive Agency in 2013 and to UKHSA on October 1, 2021. Within UKHSA he chairs the Postgraduate training sub-committee for UKHSA which oversees support for postgraduate training within UKHSA and is co-lead for the Affiliated Research Centre of PHE which is incorporated within the Open University of the UK. He is Co-Editor of Toxicology Letters the journal of the European Society of Toxicology.



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### *Professor Klea Katsouyanni*

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**Klea Katsouyanni**, is a Professor of Public Health in the Environmental Research Group, School of Public Health, Imperial College London. She has a first Degree in Mathematics, an MSc in Statistics and obtained her PhD in Epidemiology from the Medical school of the National and Kapodistrian University of Athens (NKUA) under the supervision and mentorship of Professor Dimitrios Trichopoulos. She was appointed as a Lecturer in 1982, Assistant Professor, Associate Professor and, in 2005, was elected Professor of Medical Statistics and Epidemiology in the same School. She was a visiting Lecturer in Epidemiology at the Harvard School of Public Health from 1990 to 1999. In 2013 she was appointed Professor of Public Health (part time) at King's College London. She is teaching, for over 35 years, Biostatistics to students of the Medical School and the School of Dentistry at NKUA. She is the Director of the Postgraduate programme in Biostatistics (which started in 1998), where she also teaches Epidemiology, Environmental Epidemiology and Research Methods. She is a member of the Committee of the Special Account for Research and of the Steering Committee of the Quality Assurance Unit of NKUA.



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### *Professor Zorana Jovanovic Andersen*

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**Zorana Jovanovic Andersen** is a Professor in Environmental Epidemiology at the Department of Public Health, University of Copenhagen, and Chair of the European Respiratory Society (ERS) Environment and Health Committee. She has studied links between air pollution and health including cardiometabolic and respiratory diseases, cancer, and most recently with dementia and mental health. Her other areas of research include health effects of road traffic noise, interaction between air pollution and physical activity, air pollution and COVID-19, and capacity building in environmental epidemiology in Eastern Europe. Prof. Andersen is passionate about advocacy on clean air and translation of knowledge from research on health effects of air pollution to policy makers at local, national, European and global level, as an active member of the Air Pollution Expert Group in Copenhagen Municipality, Danish Council for Disease Prevention, Policy Committee of the International Society for Environmental Epidemiology (ISEE), ISEE Council, International Network on Policy in Epidemiology, and WHO Global Air Pollution and Health Technical Advisory Group. She has recently received ERS mid-career Gold-Medal in Epidemiology and Environment.



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### *Dr Leon Barron*

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**Leon Barron** received both a BSc in Analytical Science (2001) and a PhD in Analytical Chemistry (2005) from Dublin City University (DCU), Ireland. He then pursued his postdoctoral research for a further four years there and at the Norwegian Institute for Water Research developing novel approaches to monitoring environmental contaminants in water and soil. He moved to King's College London as a Lecturer (in 2009) and then Senior Lecturer (in 2015) in Forensic Science, where he led the Environmental & Forensic Chemistry group for 11 years. In 2020, he moved to Imperial College London as a Senior Lecturer in Analytical & Environmental Sciences in the Environmental Research Group. He has published >75 peer-reviewed articles in the fields of analytical chemistry, environmental pollution, ecotoxicology and forensic science. He sits on the editorial board of *Science & Justice*, Journal of the Chartered Society of Forensic Sciences and from 2011-2014 was its Editor in Chief. He regularly acts as a peer-reviewer for several internationally reputed analytical journals.



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### *Dr Andrew Singer*

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**Andrew Singer** is a Principal Scientist at the UK Centre for Ecology & Hydrology in Wallingford. He is an environmental microbiologist with expertise in pollutant chemistry and water quality modelling. During the COVID-19 pandemic, he led the NERC-UKRI-funded National COVID-19 Wastewater-based Epidemiology Surveillance Programme and served as Chair of the Expert Advisory Group & Technical Lead within the Home Office Wastewater Surveillance programme. In 2022-23, he led a Home Office programme focused on developing automated pathogen surveillance instrumentation for wastewater. He is an international lead on catchment-scale analysis of the sources and drivers of antibiotic resistance in the environment, working with a One Health perspective in Argentina, Malawi, Thailand and Uganda. He is a frequent contributor to the debate on how to achieve more effective and sustainable innovation in antibiotic development. He served on the UK Scientific Pandemic Influenza Advisory Committee from 2007 to 2013 led by Dame Sally Davies.



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### *Professor Anne Willis OBE*

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**Anne Willis** obtained a PhD in Biochemistry from the University of London while working in the Imperial Cancer Research Fund laboratories (now CRUK) on DNA repair with Dr Tomas Lindahl. She then moved to Cambridge to work with Professor Richard Perham in the Department of Biochemistry, where she also held a Junior Research Fellowship and then a College Lectureship at Churchill College Cambridge. Anne was appointed to her first independent position as a Lecturer in the Biochemistry Department at the University of Leicester, progressing to Reader in 2002 and Professor in 2004, from 2000-2005 she held a BBSRC Advanced Fellowship. In 2004, she was appointed Director of Cancer Research Nottingham and Chair of Cancer Cell Biology, where she was based in the School of Pharmacy. From 2009-2013 Anne held a BBSRC Professorial Fellowship. In 2010 Anne became Director of the MRC Toxicology Unit. Anne was appointed as a member of the European Molecular Biology Organisation in 2015, and in 2017 awarded an OBE for services to biomedical sciences and supporting the careers of women scientists.



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### *Dr Stephanie Wright*

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**Stephanie Wright** is a Lecturer in the Environmental Research Group, School of Public Health at Imperial College London. She has over 9 years' research experience in the field of microplastics, specifically in exposure and biological impacts, which began with a PhD at the University of Exeter. She then joined the Environmental Research Group (ERG), King's College London, on an early career research fellowship in microplastics and human health, with an emphasis on airborne plastic pollution. She now holds a UKRI Rutherford Fellowship and leads the Microplastics team, whose interdisciplinary research addresses microplastic detection, characterisation and quantification in the atmospheric environment; optimisation of techniques for the detection of microplastics in biological matrices; and toxicological assessment of microplastics using in vitro models of the human airway. She has been on national tv and radio as a guest expert; participated in a European Commission microplastics working group; and contributed towards policy change.



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### *Dr Todd Gouin*

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**Todd Gouin** received a PhD specializing in the field of environmental chemistry from Trent University, in Canada, through the Watersheds Ecosystems Graduate Programme in June 2006. Following his graduate studies, Dr. Gouin has obtained both experimental and modelling experience in assessing diverse chemical exposures including current use pesticides in Costa Rica and polycyclic aromatic hydrocarbons in the Arctic regions of Alaska. More recently, he was employed for eight years by Unilever, where he was involved in the development and application of tools aimed at both screening and prioritization of chemicals and higher-tier risk assessment methods. He now provides consultancy work on a range of topics, where his current research interests include the development and application of risk assessment methods, such as for microplastic particles, as well as the development and application of models to better assess chemical exposures for both humans and the environment.



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### *Dr Ian Mudway*

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**Ian Mudway** is a Senior Lecturer in the Environmental Research Group, School of Public Health at Imperial College London, a member of the MRC Centre for Environment and Health; MRC & Asthma UK Centre in Allergic Mechanisms of Asthma and the NIHR Health Protection Research Units in Environmental Exposures and Health and Chemical and Radiation Threats and Hazards. He has over 25 years experience researching the impacts of air pollution on human health and in the development of assays to quantify the toxicity of the chemical cocktails that pollute the air we breathe. Over this period Dr Mudway has published over 100 research papers, reports and book chapters on these topics, as well as providing advice to local, national and international governments and NGOs. Dr Mudway is passionate about the communication of science to lay audiences and has worked extensively with artists and educationalists to promote the public understanding of the risks associated with environmental pollutants. Currently his work is focused on understanding early life impacts of pollutants on the development of the lung and cognitive function in children living within urban populations, as well as furthering our fundamental understanding of the mechanisms that drive these adverse effects and modify an individual's susceptibility to air pollution.



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### *Professor Annette Peters*

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**Annette Peters** directs the Institute of Epidemiology at the Helmholtz Zentrum München – German Research Center for Environmental Health and is full Professor of Epidemiology at the Ludwig Maximilians Universität München, Germany. She has a long-standing interest in understanding the role of ambient air pollution in contributing to exacerbation and initiation of chronic diseases. In her early publications, she pioneered the field of the link between particulate matter and cardiovascular disease by demonstrating that systemic inflammation is a major contributing factor. During her postdoctoral studies, she has assessed the role of ultrafine particles on asthmatics demonstrating for the first time an association between ambient ultrafine particle concentrations and changes in lung functions in humans with asthma. Moreover, she discovered that ambient particles can indeed trigger myocardial infarctions and alter cardiac function within very short-time frames. Today, she heads the population-based KORA cohort initiated in the mid-eighties in Augsburg, Germany, which was funded by the German Ministry of Education and Research between 2008 and 2014. Following the first measurements in 1999, she has continuously grown the research program on environmental measurements for air pollution and other environmental exposures in the KORA study region.



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### *Shirley Rodrigues*

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**Shirley Rodrigues** was appointed as London Deputy Mayor for Environment and Energy in October 2016. Previously she oversaw a global climate change grants portfolio at the Children's Investment Fund Foundation (CIFF) developing their cities and climate strategy, and in other senior environmental roles has devised and delivered a range of environmental policies and programmes in London, nationally and internationally. She is now working to deliver the Mayor's vision of making London greener, fairer and healthier through implementing his London Environment Strategy. This includes ambitious programmes to reduce air pollution across London, including the implementation of the world's first Ultra Low Emission Zone, and greening and rewilding the city. Her key focus is on working to ensure London's economic and social recovery from the impacts of COVID-19 is a green and fair one by tackling the climate and ecological emergency with the ambitious aim for London to be a net zero carbon city by 2030.



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### *Dr Camilla Kingdon*

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**Camilla Kingdon** is President of the Royal College of Paediatrics & Child Health (RCPCH), the leading voice for children and young people's health in the UK. Camilla is a consultant neonatologist at the Evelina London Children's Hospital with sub-specialty interests in neonatal nutrition, donor milk banking and neurodevelopmental follow up of high risk neonates. Camilla was Vice President for Education and Professional Development between July 2018 and May 2021. She was elected to the Presidential role in December 2020 and took up office in May 2021. Camilla grew up in Cape Town, South Africa and graduated from the University of Cape Town. Camilla came to the UK in 1991 and spent a year doing adult medicine before discovering paediatrics. She never looked back. She trained in London, achieving her CCT in 2000 and has been a Consultant Neonatologist at the Evelina London Children's Hospital since then. Camilla has a longstanding involvement in medical education at both undergraduate and postgraduate levels. She was Head of the London School of Paediatrics and Child Health for 5 years and this gave her unique opportunities to see first-hand the highs and lows of working in Paediatrics and all its subspecialties, in a wide range of different clinical settings. Camilla's priorities are to tackle retention issues to sustain a first-class workforce including addressing equality, diversity and inclusion, and to advocate for child health in the context of climate change and wider health inequalities.



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### *Dr Sarah Woolnough*

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**Sarah Woolnough** is CEO of Asthma + Lung UK. She oversees all aspects of the organisation. Sarah is Co-Chair of the NHS England National Respiratory Board, which directs NHS England's efforts to improve outcomes for those with respiratory disease. Sarah also sits on the Board of the Accelerating Access Collaborative, a key government initiative aimed at encouraging swifter adoption of new technologies and treatments to tackle ill health. Sarah has a background in policy and communications, having spent many years as a Board member at Cancer Research UK, and has been heavily involved in several tobacco control and other prevention campaigns. Sarah is also a trustee of MQ, a mental health research charity, and has previously been a non-Exec of ASH, the Association of Medical Research Charities, Bliss, the special care baby charity and the National Cancer Research Institute.



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### *Rosamund Adoo-Kissi-Debrah*

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**Rosamund Adoo-Kissi-Debrah** is the founder, director, and trustee of the Foundation as well as Ella's mum. She is one of the most prominent advocates for clean air worldwide, a powerful voice in the air pollution debate. She started campaigning as soon as she realised its role in her daughter's death. Her determination to highlight the human cost of air pollution has led to her addressing audiences all over the world; from her recent TED Talk to conversations with other eminent environmentalist and health advocates, such as Christiana Figueres, Dr Maria Neira and Arnold Schwarzeneger. Her work frequently involves lobbying politicians, as well as medical professionals, for more education and stronger legislation when it comes to air pollution. However, Rosamund is more than just a powerful voice. She and her legal team made history when a Coroner found a direct link between her daughter's death and the air quality near her home, 25 metres from the south circular, one of London's busiest roads. Ella's death certificate was amended to have air pollution listed as cause of death, potentially changing the legal landscape to enable other people to do the same. Rosamund is now a leading light in the global fight against air pollution, a position recognised by the World Health Organisation, who made her a BreatheLife Ambassador. She uses her experience and position to highlight the inequality of those affected by air pollution. She is also an Honorary Fellow of the British Science Association and was named among You Magazine's 21 Most Extraordinary Women of 2021, British Vogue's 25 Extraordinary Women of 2021, The Times' Green Power List 2021, and BBC Radio 4 Woman's Hour Power List 2020.



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### *Dr Dan Greenbaum*

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**Dan Greenbaum** is President and Chief Executive Officer of the Health Effects Institute. In that role, Greenbaum leads HEI's efforts, supported jointly by government and industry, to provide public and private decision makers – in the US, Asia, Europe, and Latin America - with high quality, impartial, relevant, and credible science about the health effects of air pollution to inform air quality decisions in the developed and developing world. HEI is a lead contributor to the Global Burden of Disease for Outdoor Air Pollution and publishes *The State of Global Air* report and website each year. Greenbaum has been a member of the U.S. National Academies *Board of Environmental Studies and Toxicology* and vice-chair of its *Committee for Air Quality Management in the United States*.

