South London and Maudsley

**NHS Foundation Trust** 



# Speaker Biographies: Festschrift Conference for Professor Graham Thornicroft, 12 March 2023



#### Sue Baker

Sue Baker is Director of the consultancy, Changing Minds Globally and the Time to Change Global programme based at Mind with over 30 years' experience in the NGO sector. She provides a range of services via her global consultancy including evidence-based approaches to addressing stigma and discrimination, marketing strategies, and management consultancy and coaching across a range of sectors. The Changing Minds Globally team is currently working in Africa, the Caribbean, Lithuania, across Europe, and globally.



## **David Bradley**

David joined South London and Maudsley NHS Foundation Trust as Chief Executive in July 2019. He has extensive NHS operational experience in mental health, acute and community services. David began his career in the NHS in 1980 and has over 20 years' experience at board level across different NHS trusts in London, Oxford and Surrey including nine years as a Chief Executive Officer. He is a board member of King's Health Partners, a Trustee on Maudsley Charity (the largest mental health charity in the UK) and on the advisory board of Mindful Healthcare. David is a Partner Member (Mental Health) of the NHS South East London Integrated Care Board as well as Chair of the Cavendish Square Group, which provides a collective voice for the providers of NHS mental health services in London, and for the broader mental health community including clinicians and patients.



## **Sarah Byford**

Sarah Byford is Professor of Health Economics and Head of the Health Service and Population Research Department at King's College London. Sarah joined King's College London in 2000, having worked previously at the Centre for Health Economics, University of York, and the Health Economics Research Group, Brunel University. Sarah is an expert in mental health economics and has a particular interest in the economic evaluation of services for children and adolescents, including looked after young people, young people with depression, eating disorders, post-traumatic stress disorder and autism, and those at risk of or with first episode psychosis. In addition, Sarah has expertise in the economic evaluation of adult services, including depression, addiction, domestic abuse and perinatal mental health services.



# Dan Chisholm

Dan Chisholm MA MSc PhD was a founder staff member and senior lecturer at the Centre for the Economics of Mental Health at the Institute of Psychiatry from 1994-2000, and received his doctorate from King's College London in 2001. He has worked at the World Health Organization since then, both as a health economist and health systems adviser in the Department of Mental Health and Substance Abuse, and also served as Programme Manager for Mental Health in the WHO Regional Office for Europe from 2017 to 2021. His main areas of work at WHO include development and monitoring of mental health plans and policies, technical assistance on mental health system strengthening, and economic analysis of strategies for reducing the global burden of mental health conditions. He has published widely in these areas over the last 25 years.



## Jay Das-Munshi

Jay Das-Munshi is a Clinical Reader in Social and Psychiatric Epidemiology at King's College London and Honorary Consultant Psychiatrist with South London & Maudsley NHS Trust. She has led work which uses large-scale routine data and data linkages, informed by qualitative methodologies, to understand mental health inequalities, over the life course. She has a keen interest in maximising the potential of datasets to understand mental health inequalities, through a range of approaches including data linkage and secondary data analysis. Her main areas of expertise relate to inequalities at the physical/ mental health interface and particularly mortality in severe mental illnesses, and she has a particular interest in understanding ethnic inequalities in mental health. She has led work for the WHO, leading to guidelines for the management of physical health in people with severe mental illnesses.



## Julian Eaton

Julian Eaton is Assistant Professor at the Centre for Global Mental Health at London School of Hygiene and Tropical Medicine (LSHTM), and Mental Health Director at CBM Global Disability Inclusion.

At LSHTM his main role is as CEO of the FCDO-funded Support, Comprehensive Care and Empowerment for People with Psychosocial Disabilities (SUCCEED Africa) programme at LSHTM, working with teams in Malawi, Nigeria, Sierra Leone and Zimbabwe.

He also manages the Mental Health Innovation Network, www.mhinnovation.net the largest network of actors in global mental health, and a collaboration between LSHTM and WHO. He has lived and worked in Nigeria, and in Togo and collaborates closely with colleagues in Africa, both in policy and implementation, and in research.

## **Paul Farmer**



Paul Farmer is Chief Executive Officer of Age UK. Before joining Age UK, he was Chief Executive Officer of Mind, the leading mental health charity working in England and Wales, a position he had held since 2006. Paul is a Commissioner at Historic England and a Non-Executive Director for NHS Frimley Integrated Care Board. He is a member of the NHS Assembly. Paul co-authored 'Thriving at Work' for the Government, which led to significant changes in workplace mental health, and co-chaired the 5 Year Forward View for Mental Health, leading to additional funding for NHS mental health services. He has an Honorary Doctorate of Science from the University of East London. He is an Honorary Fellow of St Peter's College, Oxford and The Royal College of Psychiatrists. In 2016, Paul was awarded a CBE in the New Year's Honours list for services to mental health.



## **Beth Gallimore**

Beth Gallimore is in the final stages of completing her PhD at King's College London (KCL) in the Health Service and Population Research Department within the Institute of Psychiatry, Psychology & Neuroscience (IoPPN). Her mixed-methods PhD project is titled 'Mental Health among young people in Barbados: stigma and help-seeking'.

She has previously worked as a Research Assistant at KCL, helping to develop training materials for research teams in Kenya and The Gambia as part of a maternal mental health project (PRECISE-DYAD) under the guidance of Dr Tatiana Salisbury. Beth is passionate about global health; with a particular research interest in Caribbean mental health stemming from her own heritage, and stigma and discrimination. Her areas of expertise include literature and systematic reviews, mixed methods research, and qualitative research approaches.



## **Fiona Gaughran**

Fiona Gaughran is a Professor of Physical Health and Clinical Therapeutics in Psychiatry at the Institute of Psychiatry, Psychology & Neuroscience. She is also Director of Research and Development at the South London and Maudsley NHS Foundation Trust in London, where she is the lead consultant for the National Psychosis Service. As part of her clinical role, Professor Gaughran is responsible for implementing new, evidence-based approaches to help people with psychotic illnesses that have not responded well to treatment. She publishes widely on psychosis and on the physical health of people with major mental illnesses. Since 2020, She has been named as a Clarivate Web of Science Highly-cited Researcher.



# Petra Gronholm

Dr Petra Gronholm is a Research Fellow and Honorary Lecturer at the Health Services and Population Research Department at the Institute of Psychiatry, Psychology and Neuroscience at King's College London, UK. Petra's areas of expertise include mental health-related stigma and discrimination and exploring barriers and facilitators of help-seeking. Petra works on several projects focused on the experiences of persons living with mental health conditions, e.g. in terms of stigma, discrimination, and human rights, and conducting and evaluating anti-stigma interventions, including collaborations with the World Health Organization and the Global Mental Health Peer Network.



## Oye Gureje

Professor Oye Gureje is Director, WHO Collaborating Centre for Research and Training in Mental Health, Neuroscience, Drug and Alcohol Abuse, University of Ibadan, Nigeria.

Oye was for several years the Chair of Nigeria's Mental Health Action Committee,where he led the revision of the country's Mental Health Policy and Mental Health Law. He was Chair of the World Health Organization's Work Group on Somatic Distress and Dissociative Disorders and that on Cultural Guidance for the 11th edition of the International Classification of Diseases (ICD-11). He served as a Board Member of the World Psychiatric Association and as Chair of its Task Force on Brain Drain.

His research interests include global mental health, epidemiology, nosology, and mental health service development. He has published over 600 peer-reviewed scientific papers, monographs, book chapters, and has co-edited three books. He has, for several years, been listed among the most Highly Cited Researchers in the world by Clarivate. He is a Fellow of the Nigerian Academy of Science, Fellow of the Nigerian Academy of Medicine, and a laureate of the Nigerian National Order of Merit.



# **Charlotte Hanlon**

Charlotte Hanlon is Co-Director of the Centre for Global Mental Health at King's College London and an adjunct faculty member at Addis Ababa University in Ethiopia. Her work focuses on developing, implementing, and evaluating interventions to improve outcomes for people with mental health conditions in lowand middle-income countries. She co-leads HOPE, an NIHR Global Health Research Group on homelessness and mental health in Africa (https://www.thehopeproject. net/) and is principal investigator for SCOPE, investigating the sociocultural context of psychosis in Ethiopia to achieve earlier and better care to support recovery. She co-edited Where there is no Psychiatrist: https://www.cambridge.org/core/books/ where-there-is-no-psychiatrist/47578A845CAFC7E23A181749A4190B54



## **Claire Henderson**

Claire Henderson is Professor of Public Mental Health and Director for the Centre for Implementation Science at the Health Service and Population Research Department, King's College London Institute of Psychiatry, Psychology and Neuroscience; and Honorary Consultant Psychiatrist and Academic Director for the Quality Centre at the South London and Maudsley NHS Foundation Trust. Her research addresses the disempowerment of people with mental illness due to the illness and to ensuing stigma and discrimination. Currently she co-leads a research programme funded by the National Institute for Health and Care Research to evaluate Recovery Colleges and a project on implementing advance choice documents funded by the Maudsley Charity.



#### Savi Hensman

Savi Hensman is patient, service user, carer and public involvement coordinatior at ARC South London. Savi joined King's College London in 2016. Her work involves working with researchers, service users, carers and communities across a range of themes to enable research to better reflect the views, concerns, and priorities of local people. Activities include taking forward the ARC's involvement strategy and supporting a network of researchers acting as involvement champions, strengthening partnership, helping to organise events such as an annual Active Involvement in Research Day and producing an involvement newsletter. She is also a member of the Service User Research Enterprise and a carer. She has worked for many years in patient and public involvement in health and social care planning, delivery and research at local and national level, including knowledge mobilisation, policy work and community engagement, and before that as an outreach and development worker. She graduated in Chemical Engineering at University College London.



## **Matthew Hotopf**

Professor Matthew Hotopf CBE is Executive Dean of the Institute of Psychiatry, Psychology & Neuroscience (IoPPN). He is a Professor of General Hospital Psychiatry, a consultant liaison psychiatrist, and former Director of the National Institute for Health and Care Research (NIHR) Maudsley Biomedical Research Centre (BRC) from 2014-2023. He was also Vice Dean (Research) at the IoPPN from 2017-2023 and led the IoPPN's return to the Research Excellence Framework (REF) 2021. Matthew trained in epidemiology at the London School of Hygiene and Tropical Medicine and in Psychiatry at the Maudsley. He has broad research interests including using epidemiological and novel mobile health methods to interrogate the relationship between mental and physical health. He has a national research profile as a member of the REF and inaugural chair of the NIHR's Translational Research Collaboration in Mental Health. He is also a NIHR Senior Investigator and Fellow of the Academy of Medical Sciences.

# Sonia Johnson



Sonia Johnson is Professor of Social and Community Psychiatry and Director of Education in the Division of Psychiatry at University College London (UCL). She is Director of the NIHR Policy Research Unit for Mental Health for England. Her first post in mental health research was researching emergency services with Prof Graham Thornicroft as a junior doctor at the Maudsley back in the early 1990s, and she worked in his research team at the then Institute of Psychiatry for several years before moving to UCL. He was her most important mentor and she has continued to collaborate and keep in touch with him subsequently. Her group's recent research has included investigations of crisis care, early intervention in psychosis, care for people with a 'personality disorder' diagnosis, mental health care during the COVID-19 pandemic and loneliness in mental health.



#### **Mark Jordans**

Mark Jordans, PhD, is Professor of Child and Adolescent Global Mental Health at the Center for Global Mental Health, King's College London, and at the Amsterdam Institute of Social Science Research, University of Amsterdam. He is a child psychologist and also works as Director of Research & Development for the NGO War Child in the Netherlands. His research interests are the development, implementation and evaluation of psychosocial and mental health care systems in low and middle income countries, especially for children in adversities and in fragile states.



## **Roxanne Keynejad**

Roxanne is an NIHR Clinical Lecturer in the Centre for Global Mental Health and Section of Women's Mental Health. Her research focuses on the mental health of women experiencing gender-based violence, including in low and middle-income countries. She leads the international violence, abuse and mental health network (IVAMHN), which brings together researchers, clinicians, and people with lived experience interested in these subjects. You can find recordings of her webinars on YouTube. You can follow her work on Twitter/X @RoxanneKeynejad and @i\_ VAMHN or find her on LinkedIn.



#### Sarah Kline

Sarah Kline is the CEO and co-founder of United for Global Mental Health. She is an internationally recognised expert in mental health advocacy, previously at the World Health Organisation, World Bank, the UK government and Oxfam.

# **Crick Lund**

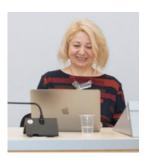


Crick Lund, is Professor of Global Mental Health and Development and Co-Director of the Centre for Global Mental Health in the Health Services and Population Research Department, Institute of Psychiatry, Psychology and Neuroscience, King's College London. He trained as a clinical psychologist at the University of Cape Town in the mid-1990s and was subsequently involved in developing post-apartheid norms for mental health services for the national Department of Health. He worked for the World Health Organisation (WHO) from 2000-2005, on the development of the WHO Mental Health Policy and Service Guidance Package and has consulted several countries on mental health policy and planning. He was a founding member of the Alan J Flisher Centre for Public Mental Health at the University of Cape Town and served as its first Director, from 2010 to 2017. His research interests lie in mental health policy, service planning and the relationship between poverty and mental health in low and middle-income countries.



## Matt Maddocks

Matt Maddocks is a Professor of Health Services Research & Rehabilitation Research Strategy & Quality & Executive Lead and postgraduate research lead, Cicely Saunders Institute of Palliative Care, Policy & Rehabilitation Research Executive Lead Palliative Care Clinical Academic Group, King's Health Partners. He is an academic physiotherapist. He completed a PhD on the role of exercise in cancer cachexia in 2010 and has since held NIHR postdoctoral, clinical trials and career development fellowships. He is deputy theme lead for the Palliative & End of Life Care theme and deputy co-lead of the NIHR Applied Research Collaboration for South London. He leads a team undertaking applied clinical and health services research that advances rehabilitation and palliative care for people with serious illness, through improved management of complex symptoms including breathlessness, fatigue, weakness, and syndromes including cachexia, sarcopenia and frailty.



## Nino Makhashvili

Nino Makhashvili is a psychiatrist who has worked in in-patient and outpatient mental health services in Georgia. Nino is currently a director of the foundation Global Initiative on Psychiatry-Tbilisi (GIP-T), a member organisation of Federation GIP.

She is part of a team working to advance mental healthcare in Georgia and other countries of Caucasus and Central Asia, supporting deinstitutionalization processes, and community-based care development, lobbying for rights-based mental healthcare. She serves as a head of the Mental Health Resource Center at Ilia State University in Tbilisi, having positions also as a director of the multidisciplinary MA programme in Mental Health and a co-director of the PhD programme in Public Health. Her research interests include mental health needs of war-affected populations, systems of mental healthcare, human rights in mental health.



# **Bill McKnight**

Bill McKnight lives in Belfast, Northern Ireland. He is a psychiatric patient and a mental health professional. He writes poetry about his experiences of mental illness and currently has five books on Amazon. 'Loud Science', his first book was published with the help of Professor Sir Graham Thornicroft. A sixth book entitled, 'Elation' is a work in progress reflecting a recent period of illness. Writing gives Bill personal insights which he also uses to try to better inform fellow service users, families, and clinicians.



# Uta Ouali

Uta Ouali works as a senior psychiatrist at Razi Hospital in Tunisia and is a Professor of Psychiatry at the University of Tunis El Manar Medical School. Her main clinical and research interests are in mood disorders, young people at risk of mental disorders, and stigma and discrimination against people with mental health problems. She is the site lead for Tunisia and a co-investigator of the INDIGO-Partnership Research Programme, a large multi-national project aimed at reducing stigma and discrimination of people with mental health problems, led by Professor Sir Graham Thornicroft at King's College London.



## Tracey Power

Tracey Power is Founding Director of Implemental Worldwide (formerly Maudsley International), a social enterprise that since 2008 has supported an international network of colleagues committed to improving mental health. She has many years' senior manager experience in UK mental health and learning disability services and has helped to develop innovative service systems across the world. Working in collaboration with people with lived experience throughout her career, Tracey's interests include exploring how collaboration across organisational boundaries can enhance mental health and wellbeing in complex health and social care systems. Since 2018 Tracey has supported 'MH4U' colleagues in Ukraine to develop and implement community mental health services. www.implemental.org



## Nicolas Rüsch

Nicolas Rüsch is Professor of Public Mental Health and consultant psychiatrist at the Department of Psychiatry II and BKH Günzburg, University of Ulm, Germany. After his clinical training in Freiburg, Germany, and Rome, Italy, he worked for two years as EU Marie Curie Fellow with Prof. Corrigan, Chicago, on mental illness stigma. He then spent a long summer in London, UK, working with Prof. Thornicroft and colleagues and continued his work on stigma in Zürich, Switzerland. He studied stigma among young people at risk of psychosis, stigma and unemployment, disclosure decisions and related interventions such as the peer-led Honest, Open, Proud programme.



# Tatiana Salisbury

Dr Tatiana Taylor Salisbury is a Reader in Global Mental Health and Design at King's College London. She also acts as Deputy Director of the Centre for Global Mental Health, and Co-Director of the World Health Organization Collaborating Centre for Research and Training in Mental Health at King's. She is currently a UK Research and Innovation Future Leaders Fellow. Her fellowship blends human-centred design, systems thinking and implementation science to develop development of scalable and sustainable solutions to address adolescent perinatal mental health in Kenya and Mozambique. Her other interests include integrating mental health into physical health services, operationalising good quality mental health care, engaging communities in intervention development and service delivery through which she collaborates with UN agencies, national governments and NGOs.



## Kritika Samsi

Kritika Samsi is Senior Research Fellow at the NIHR Policy Research Unit in Health and Social Care Workforce. She has worked in dementia care research for over 10 years using qualitative methodology to investigate a wide range of topics around home care. She has also conducted studies related to the social care workforce, including conducting an early process evaluation of the implementation of the social care Workforce Race Equality Standards, investigating the views and contributions of ancillary staff in care homes, the role of social care Personal Assistants in supporting people living at home, and the home care workforce. She is also Senior Fellow of the NIHR School for Social Care Research; Lead of the Social Care Theme of the NIHR Applied Research Collaboration South London; a member of the Executive of the British Society of Gerontology; a member of the Medical and Scientific Advisory Panel for Alzheimer's Disease International.



#### Jane Sandall

Professor Jane Sandall CBE is an Emerita NIHR Senior Investigator. She has a midwifery background and academic social science expertise. She is in the leadership team for research centres and projects focusing on implementation of innovations in service delivery and health technologies to mitigate inequalities and improve maternal and perinatal outcomes. She has advised government departments and agencies internationally, completed a secondment as Head of Maternity and Midwifery Research in NHS England in 2023 and sits on the WHO STAGE advisory group to the DG, co-chairing a working group on midwifery.



## **Norman Sartorius**

Professor Norman Sartorius, MD, PhD, FRCPsych and holds professorial appointments at several universities in Europe, the USA and elsewhere. He was the Director of the Mental Health Programme of the WHO, President of the World Psychiatric Association and of the European Psychiatric Association. He has published more than 500 papers in peer review journals and authored, co-authored or edited more than 120 books (h index 110). He is currently President of the Association for the Improvement of Mental Health Programmes in Geneva. His main interests at present are the protection of human rights of people with mental disorders and their families, comorbidity of mental and physical disorders, the fight against stigma and the education of psychiatrists.



#### **Mike Slade**

Mike Slade is a Professor of Mental Health Recovery and Social Inclusion at the University of Nottingham. He has previously worked as a computer scientist, mental health nurse, consultant clinical psychologist and psychiatric researcher. He heads the Recovery Research Team, a research group focussed on understanding and supporting recovery from and with mental health problems. The group uses a wide range of scientific methods to understand what is involved in mental health recovery, to create and test recovery-focused interventions, and to develop new ways of measuring the impact of treatment on recovery. Information about his research is at researchintorecovery.com.



## **Jane Stafford**

Jane Stafford has a background in social care research and research management and has worked at King's College London for the last ten years. She is associate director of operations for NIHR Applied Research Collaboration (ARC) South London, an organisation that aims to improve the lives and the quality of health and social care in south London through applied research. Jane is also programme manager for the King's Improvement Science programme, which is a research programme that works with local health care providers, providing expertise in quality improvement and implementation science to achieve better outcomes for patients and service users.



# **Charlene Sunkel**

Charlene Sunkel is the CEO of the Global Mental Health Peer Network. With lived experience, Ms Sunkel is a global advocate for the rights of people with mental health conditions. Her contributions extend to authoring and coauthoring numerous papers from a lived experience perspective for well-regarded international publications. She has served as a Commissioner on the Lancet Commission on Global Mental Health and Sustainable Development, and on the Lancet Commission on the Future of Psychiatry. She Co-Chaired the Lancet Commission on Ending Stigma and Discrimination in Mental Health. She also lends her expertise to various international boards and committees. Previously, she contributed her insights as a member of the South African Presidential Working Group on Disability and the Ministerial Advisory Committee on Mental Health. She served as a former Principal Coordinator for the Movement for Global Mental Health and has been recognised through national and international awards.



#### **Orest Suvalo**

Orest Suvalo graduated from the Medical Faculty of Lviv Medical University in 2004. Since 2001 he has worked as a nurse in a psychiatric hospital and at the Lviv ambulance service. After completion of the internship in Psychiatry Orest worked in a psychiatric hospital in Lviv. He studied courses in leadership and professional development led by Professor Norman Sartorius (Timisoara, Romania); School of Neuropsychopharmacology of the European College of neuropsychopharmacology (Oxford, UK); Summer School of Public Health, Economics and Management (Lugano, Switzerland); Lisbon Institute for Global Mental Health (Lisbon, Portugal). In 2017, he received an international diploma with distinction after finishing the programme 'Mental Health, Human Rights and Law', organised by the WHO and the Indian Law Association (Pune, India). He was involved in the scientific edition of the Ukrainian translation of WHO instruments mhGAP program, Quality Rights toolkit. Trainer and supervisor of the WHO mhGAP programme.

Now Orest Suvalo is CEO at Institute of Mental Health at Ukrainian Catholic University. Project manager of the Mental Health for Ukraine project (SDC funded). Lecturer of clinical psychology department at Ukrainian Catholic University.

After full scale invasion in 2022 he is co-chair of Lviv region MHPSS workgroup, member of Lviv region military administration coordination center and medical-psychosocial workgroup.



## **Robert Van Voren**

Robert van Voren (1959) is Chief Executive of the international foundation 'Human Rights in Mental Health-FGIP, an international foundation for mental health reform. He is also Executive Director of the Andrei Sakharov Research Center for Democratic Development and Professor at Vytautas Magnus University in Kaunas, Lithuania, and Ilia State University in Tbilisi, Georgia.

In the 1980s he coordinated international campaigns against the political abuse of psychiatry in the Soviet Union and became head of the Global Initiative on Psychiatry in 1986. Van Voren and his foundation developed an extensive program to support mental health reformers in the (former) USSR to humanise mental health care. The organisation gradually developed into what is now the Federation Global Initiative on Psychiatry, with member organisations in Bulgaria, Georgia, Lithuania, Sri Lanka, The Netherlands, and the United States. It has implemented many hundreds of projects in Europe, Africa, Aisa, and the Americas and is particularly active in countries such as Ukraine, where it provides a wide range of support efforts to counter the psychological consequences of war.



#### Nicole Votruba

Nicole Votruba is a senior postdoctoral researcher in implementation science at the University of Oxford. She is primary investigator of the SMARThealth Perinatal Mental Health (PRAMH) project, a mutli-phase study (funded by the Medical Research Council UK) designing and evaluating community-based mental health care for women during pregnancy and in the first year after birth. She is co-coordinator of the Indigo Local study, a global programme to reduce stigma and discrimination in mental health. She is interested in global mental health, women's mental health, reducing health inequity, implementation science, stigma/ discrimination, science-policy inter-relationships. Nicole previously worked with Professor Sir Graham Thornicroft at King's College London, where she coordinated several global mental health research studies, including the Emilia programme and the Emerald programme. She was policy officer of the UK All-Party Parliamentary Group on Global Health, working with Lord Nigel Crisp



#### **Ingrid Wolfe**

Ingrid Wolfe is Professor of Paediatrics and Child Population Health at King's College London, Director for the Institute of Women and Children's Health and Director of the Children and Young People's Health Partnership in Lambeth and Southwark. She is currently Principle Investigator on two large clinical and population health programmes, including the implementation at scale of a health system strengthening initiative and new model of children's health care, and its evaluation by cluster-randomised control trial; a policy research programme about overcoming adverse childhood conditions; and children's health theme Lead, ARC South London working to improve outcomes for children with complex conditions and social vulnerabilities. She is co-Chair of the British Association for Child and Adolescent Public Health. She has on-the-ground insight from clinical practice, and a population perspective from public health. These two aspects come together in her academic work, which focuses on children's health services, systems and policy in the UK and European countries, and in her NHS work where she is leading work to improve children's health care and health systems.