

Global Health Security and Resilience: Making a safer world

UCL Health of the Public Symposium

Tuesday 30 November 2021

13:00 - 16:00



Website: ucl.ac.uk/health-of-public/

Twitter: [@UCLHealthPublic](https://twitter.com/UCLHealthPublic)

Programme

13:00-13:10

Welcome and introduction

Prof David Lomas, Vice-Provost (Health)

Prof Graham Hart, UCL Health of the Public

13:10-13:40

Predicting and preparing for new threats

Chair: Prof Deenan Pillay, UCL Division of Infection & Immunity

Presenters:

Prof Kate Jones, UCL Genetics, Evolution and Environment

- *Ecological and human health: predicting infectious disease outbreaks*

Prof Judith Breuer, UCL GOS Institute of Child Health
- *What genomics told us about the SARS-CoV-2 pandemic*

Prof Peter Sammonds, UCL Institute for Risk & Disaster Reduction
- *Multi-hazard and epidemic DRR for a small island developing state*

Followed by Q&A session

13:40-13:45

Break

13:45-14:15

Creating resilient environments

Chair: Prof Deenan Pillay, UCL Division of Infection & Immunity

Presenters:

Prof Jose Torero, UCL Civil, Environmental and Geomatic Engineering
- *Clean Active Ventilation Environment – CAVE*

Prof Susan Michie, UCL Clinical, Educational and Health Psychology
- *Health behaviour, health inequalities and health systems*

Dr Julius Mugwagwa, UCL STEaPP

- *Local innovations, manufacturing and supply chains in LMICs*

Followed by Q&A session

14:15-14:45

Next generation Public Health infrastructure

Chair: Prof Deenan Pillay, UCL Division of Infection & Immunity

Presenters:

Dr Tom Pegram, UCL Political Science
- *Grand challenges in global health governance*

Prof Rachel McKendry, London Centre for Nanotechnology
- *Technology and data for global health surveillance*

Prof Andrew Hayward, UCL UCL Institute of Epidemiology & Health Care
- *How to strengthen public health capacity*

Followed by Q&A session

14:45-14:55

Break

14:55-15:15

Small grants research showcase

Chair: Prof Graham Hart, UCL Health of the Public

Presenters:

Dr Alison McKinlay, UCL Institute of Epidemiology & Health Care
- *An interdisciplinary study about art groups for women who have experienced domestic abuse*

Dr Gemma Lewis, UCL Division of Psychiatry
- *Investigating academic pressure as a risk factor for adolescent depression, to inform the development of whole-school interventions.*

Alexander Bolster, Kings College London
- *Multiple Minority Identities & Mental Health - A mixed-methods approach to addressing health inequalities*

Dr Niamh Murtagh, Bartlett School of Sustainable Construction
- *Green Fronts - Gardening for health of the public and environment*

Dr Francesco Aletta, Bartlett School of Environment, Energy & Resources
- *Deep Learning Techniques for Noise Annoyance Detection (DeLTA)*

Followed by Q&A session

15:15-15:55

The future of global health security

Prof Robert Heyderman, UCL Division of Infection & Immunity

in conversation with:

Prof Sir Michael Marmot, UCL Institute of Health Equity

Dr Susan Hopkins, UK Health Security Agency

Followed by Q&A session

15:55-16:00

Closing remarks

Prof Dame Anne Johnson, UCL Health of the Public

16:00

Event close

Welcome from UCL Health of the Public

Co-Directors

It is with great pleasure that we welcome you all to the first UCL Health of the Public Symposium, where we are bringing together experts from across the University and beyond to address some of the major challenges facing the future health of the public.

The importance of a cross-disciplinary approach to research in health has never been more important given the increasingly diverse and complex challenges facing populations across the globe. At UCL we're building on the excellence of the UCL Population and Lifelong Health Domain – now UCL Health of the Public – to bring multiple disciplines together to deliver health and wellbeing for all, taking forward ideas presented in the Academy of Medical Sciences report *Improving the Health of the Public by 2040*.

UCL is ranked 5th in the world for public health research (ShanghaiRanking's Global Ranking of Academic Subjects 2021) and this reflects our excellence across the University in this and cognate disciplines. Today we are focusing on UCL's cross-disciplinary expertise in global health security.

COVID-19 has clearly exposed the weaknesses in global health security. Despite enormous technical advances - such as rapid vaccine development and production - issues of national and global inequity, inadequacies in health systems and governance, poor communication, and lack of data sharing have hindered a rapid global solution to the pandemic. Today's event will explore some of the lessons learnt from the pandemic, how we can predict and prepare for new threats and create resilient environments, and what needs to be done to strengthen global health security.

In addition to outstanding contributions from global health security experts, the event will also feature rapid presentations from the recipients of our 2020/21 UCL Health of the Public Small Grants Scheme. We'll be hearing from researchers about their collaborations which address challenges in the areas of domestic abuse, academic pressure and adolescent depression, multiple minority identities and mental health, environmental noise, and urban gardening.

We hope you will take the opportunity to ask questions and interact with colleagues new and old from many disciplines during today's sessions.

We are always keen to have your feedback and suggestions of what we could do to further improve the work of the School. We look forward to hearing from you and very much hope that you enjoy the afternoon.

Professor Dame Anne Johnson



Professor of Infectious Disease Epidemiology at UCL, Co-Director of UCL Health of the Public and President of the UK Academy of Medical Sciences

Professor Graham Hart



Professor of Sexual Health & HIV Research at UCL and Co-Director of UCL Health of the Public

Introduction to UCL Health of the Public



UCL Health of the Public is a virtual School bringing multiple disciplines together to improve health for all, taking forward ideas presented in the Academy of Medical Sciences report [Improving the Health of the Public by 2040](#).

Our physical and mental health is shaped by a multitude of factors, from the food we eat, to the air we breathe, the work we do, the places we live, the taxes we pay, the health care we receive, and the people around us. We aim to develop new research communities and collaborations across many fields, including engineering, climate science, the built environment, law and social sciences, alongside population health sciences. This will encourage innovative perspectives in our research and education, and create a new cadre of researchers and students with skills that transcend disciplines.

By working together with multiple disciplines, and in collaboration with local communities, local government, the NHS, the third sector, and industry, we hope to have real impact and ensure a healthy future for all.

[Sign up](#) to our newsletter, [follow us](#) on Twitter, listen to our podcasts ([Public Health Disrupted](#), and [Coronavirus: The Whole Story](#)), or head to our [website](#) to find out more.

Welcome and Introduction



Professor David Lomas
Vice-Provost (Health)



Professor Graham J Hart
Professor of Sexual Health & HIV Research
and Co-Director of UCL Health of the Public

Welcome and Introduction

David is Vice Provost (Health), Head of UCL Medical School and Director of the UCL Partners AHSC since 2015. He received his medical degree from the University of Nottingham and undertook his PhD at Trinity College, Cambridge. David was an MRC Clinician Scientist, University Lecturer and Professor of Respiratory Biology in Cambridge before moving to UCL in 2013 to be Chair of Medicine and Dean, Faculty of Medical Sciences. He previously chaired the Respiratory Therapy Area Unit Board at GlaxoSmithKline and was Deputy CEO of the Medical Research Council (UK). David is a Non-Executive Director at the Royal Free London Hospitals, University College London Hospitals, the Francis Crick Institute, the Africa Health Research Institute, the British Heart Foundation, MedCity Ltd. and the Academy of Medical Sciences. He is an NIHR Senior Investigator. David's research has focused on α 1-antitrypsin deficiency, a group of diseases that he termed the 'serpinopathies' and COPD.

UCL Health of the Public

Professor Hart's research interests include sexual risk behaviour and the prevention of HIV and STIs, combining structural, behavioural, and biomedical approaches to prevention and the opportunities afforded by new prevention technologies. He has worked with a wide range of populations at risk of HIV and STIs, nationally and internationally. This includes men who have sex with men, young people, sex workers, and vulnerable groups in developed and developing countries. His major contributions are to health policy and promotion, particularly in HIV and sexual health. Two significant examples are: needle exchange for injecting drug users (IDU); HIV prevention in men who have sex with men (MSM).

Graham is currently: Co-Chair of the MRC/DfID African Research Leader Scheme; Chair of the MRC Public Health Intervention Development (PHIND) Panel; Member of the MRC Population Health Strategy Group. He is a Fellow of the Academy of Medical Sciences and Governor on the Board of the Nuffield Council on Bioethics.

Predicting and preparing for new threats



Chair: Professor Deenan Pillay
Professor of Virology
(UCL Division of Infection & Immunity)
and Pro-Vice-Provost (International)

Professor Deenan Pillay's research addresses the continuing challenge of HIV spread, particularly in sub-Saharan Africa. In 2013 he was seconded to become Director of the Africa Centre for Population Health, in South Africa, and in 2016 became the inaugural Executive Director of the Africa Health Research Institute, a Wellcome Trust and HHMI funded cross disciplinary HIV and TB research institute in Kwa Zulu-Natal. He has held a number of other senior scientific roles, including Head of the Division of Infection and Immunity at UCL, and Director of the UCLH/UCL NIHR Biomedical Research Centre. In February 2020 Professor Pillay began his three-year term as UCL Pro-Vice-Provost (International) in UCL's Global Engagement Office.



Professor Kate Jones
Professor of Ecology and Biodiversity
(UCL Genetics, Evolution and Environment)

Ecological and human health: predicting infectious disease outbreaks

Kate Jones is Professor of Ecology and Biodiversity in the UCL Department of Genetics, Evolution & Environment. Prof Jones is a world-leading ecologist whose work focuses on crossing disciplinary boundaries to address critical global challenges, especially at the interface of ecological and human health. Prof Jones has made key advances in monitoring the status and trends in biodiversity and particularly in modelling and forecasting zoonotic disease outbreaks in humans (Ebola, SARS), breaking down traditional barriers between ecology, climate change and public health to inform global policy. Prof Jones won the Leverhulme Prize for outstanding contributions to Zoology in 2008 and is currently a scientific advisor for several national and international organisations, including the UK Climate Change Committee. Jones is co-leading UCL's biggest expansion in its history – UCL's new cross-disciplinary campus in The Queen Elizabeth Olympic Park opening in 2022, where she will be directing the People and Nature Lab - an environmental solutions hub focused on the links between human and planetary health.

Predicting and preparing for new threats



Professor Judith Breuer

Professor of Virology
(UCL GOS Institute of Child Health)

What genomics told us about the SARS-CoV-2 pandemic

Judith Breuer is Professor of Virology at UCL and Consultant Clinical Virologist at Great Ormond Street Hospital. As Director of the UCL Pathogen Genomics Unit, she led COVID-19 Genomics (COG) UK sequencing in London and the Hospital Onset Covid Infection (HOCI) national study. Professor Breuer discovered the mechanism by which varicella zoster virus (the cause of chickenpox and shingles) establishes latency, its mode of replication in skin through reprogramming of keratinocyte differentiation and the existence of a novel DNA Damage response pathway in keratinocytes that is essential for VZV replication. She has pioneered pathogen genomics and mathematical modelling to elucidate aspects of herpesvirus (VZV, CMV and EBV) pathogenesis and the emergence of new norovirus pandemic strains. She has established diagnostic metagenomics for identification of pathogens in undiagnosed cases of encephalitis and other infections. Professor Breuer is a member of the MHRA Expert working group on SARS CoV-2 vaccines and Chair of two Joint Committee of Vaccines and Immunisation subcommittees.



Professor Peter Sammonds

Professor of Geophysics
(UCL Institute for Risk & Disaster Reduction)

Multi-hazard and epidemic DRR for a small island developing state

Peter Sammonds is Professor of Geophysics and Director and Head of Department of the UCL Institute for Risk and Disaster Reduction. He works at the interface of natural and social sciences. Peter's research is on natural hazard risks, disasters and recovery. More recently, he has extended this to include multi-hazards risk and infectious disease epidemics. Peter has advised the UK research councils on increasing resilience to natural hazards; been a member of EEFIT Earthquake Engineering Field Investigation teams, contributing to inter-disciplinary reports on disaster, taken up widely by government for policy advice; and been a Commissioner on the UCL–Lancet Commission on Migration and Health, whose report has been influential. Peter is currently the Gender and Intersectionality Ambassador for the UKRI network+ GRRIPP project led by the IRDR Centre for Gender and Disaster.

Creating resilient environments



Chair: Professor Deenan Pillay
Professor of Virology
(UCL Division of Infection & Immunity)
and Pro-Vice-Provost (International)

See full speaker biography on [page 6](#)



Professor José L. Torero
Professor of Civil Engineering (UCL Civil, Environmental and Geomatic Engineering)

Clean Active Ventilation Environment - CAVE

Professor José L. Torero is Professor of Civil Engineering and Head of the Department of Civil, Environmental and Geomatic Engineering at UCL. He works in the fields of safety, environmental remediation and sanitation where he specializes in complex environments such as developing nations, complex urban environments, novel architectures, critical infrastructure, aircraft and spacecraft. He holds a PhD (1992) from the University of California, Berkeley. He received a Doctor Honoris Causa by Ghent University (Belgium) in 2016. José is a fellow of the Australian Academy of Technological Sciences and Engineering, the Royal Academy of Engineering (UK) and the Royal Society of Edinburgh (UK).

Creating resilient environments



Professor Susan Michie

Professor of Health Psychology
(UCL Clinical, Educational and Health Psychology)

Health behaviour, health inequalities and health systems

Susan Michie, FMedSci, FAcSS, FBA is Professor of Health Psychology and Director of the Centre for Behaviour Change at UCL.

Professor Michie's research focuses on human behaviour change in relation to health and the environment: how to understand it theoretically and apply theory and evidence to intervention and policy development, evaluation and implementation. Her cross-disciplinary research covers population, organisational and individual level interventions.

She serves as an expert advisor on the UK's Scientific Pandemic Insights Group on Behavioural Science (Covid-19), the Lancet's Covid-19 Commission and a member of the UK's Independent SAGE. She serves on WHO's Behavioural Insights and Sciences Technical Advisory Group, is Chair of the UK Food Standard Agency's Advisory Committee for Social Sciences, is part of NIHR's Behavioural Science Policy Research Unit, led UCL's membership of NIHR's School of Public Health Research and chaired the Academy of Social Science's 'Health of People' project.



Dr Julius Mugwagwa,

Associate Professor in Innovation and Development (UCL STeaPP)

Local innovations, manufacturing and supply chains in LMICs

Dr Julius Mugwagwa is a multi-disciplinary researcher and innovation systems scholar, with a background in biological sciences, biotechnology and technology (biotech) regulation. He is currently an Associate Professor in Innovation and Development at the Department of Science, Technology, Engineering and Public Policy (UCL STEaPP), within the UCL Faculty of Engineering Sciences. He also serves as Thematic Director, Global Health, for UCL's Global Governance Institute. Among his current research interests is the funding and governance of local production of medicines in Africa.

Next generation Public Health infrastructure



Chair: Professor Deenan Pillay
Professor of Virology
(UCL Division of Infection & Immunity)
and Pro-Vice-Provost (International)

See full speaker biography on [page 6](#)



Dr Tom Pegram
Associate Professor in Global Governance
(UCL Political Science)

Grand challenges in global health governance

Dr Tom Pegram is an Associate Professor in Global Governance at the UCL Department of Political Science and Deputy Director of the UCL Global Governance Institute. Tom's research interests include world politics, global governance and complex system dynamics, with particular expertise on the UN health, human rights and climate change regimes.

Next generation Public Health infrastructure



Professor Rachel McKendry

Professor of Biomedicine and Nanotechnology
(London Centre for Nanotechnology)

Technology and data for global health surveillance

Professor Rachel McKendry is Director of i-sense EPSRC IRC and holds a joint position between the London Centre for Nanotechnology and Division of Medicine, UCL.

Her research lies at the cutting edge of nanotechnology, telecommunications, data science, infectious diseases and public health. Recent breakthroughs span from tiny quantum nanodiamonds to detect viruses with ultra-high sensitivity (Nature 2020), to smartphone-connected tools to improve quality assurance of HIV testing, which have been adopted for HIV public health surveillance in South Africa (in press Nature Medicine 2021). She has also been involved in the development of i-sense machine learning algorithms of online search data which have been adopted by Public Health England as an early warning sensing system for COVID-19 and influenza, and data visualisation tools to monitor the effectiveness of public health interventions.



Professor Andrew Hayward

Professor of Infectious Disease Epidemiology and Inclusion Health Research (UCL Institute of Epidemiology and Health Care)

How to strengthen public health capacity

Professor Andrew Hayward is a Professor of Infectious Disease Epidemiology and Inclusion Health and the Director of the UCL Institute of Epidemiology and Health Care.

He originally trained in medicine and subsequently as an epidemiologist and Public Health Physician. His early research focussed on epidemiology and control of infections of public health importance including tuberculosis, influenza and antibiotic resistance.

In 2019 he founded the UCL Collaborative Centre for Inclusion Health which he co-directs with Professor Alastair Story, looking at improving the health care outcomes and quality of life for hard to reach groups.

Professor Hayward plays an active role in policy and guideline development through membership of the Joint Committee on Vaccination and Immunisation (JCVI) and the New and Emerging Respiratory Virus Threats Advisory Group NERVTAG. He has also been more recently involved in the later stage decision making for the Scientific Advisory Group for Emergencies SAGE.

Small grants research showcase



In September 2020, UCL Health of the Public, with support from the Wellcome Trust Institutional Strategic Support Fund (ISSF), and the UCL Faculty of Population Health Sciences, launched a small grants scheme to encourage new cross-disciplinary research collaborations aiming to conduct research to improve the health of the public.

Six cross-disciplinary projects are receiving funding to deliver collaborative work that has the potential to transform the public health research landscape and can help us to prevent disease, promote health, and prolong life among the population as a whole.

In this session, we will be hearing from researchers about their collaborations which address challenges in the areas of domestic abuse, academic pressure and adolescent depression, multiple minority identities and mental health, environmental noise, and urban gardening.

Professor Graham Hart, UCL Health of the Public co-Director said:

"UCL Health of the Public is bringing together researchers from across the university from a wide range of disciplines. This gives us at UCL a broader perspective and helps to promote health as well as ameliorate the many health challenges we face. This is an exciting set of newly funded projects – many congratulations to all the successful applicants in what was an exceptionally competitive field."

Small grants research showcase



Chair: Professor Graham J Hart

Professor of Sexual Health & HIV Research and
Co-Director of UCL Health of the Public

See full biography on [page 5](#)



Dr Alison R McKinlay

Research Fellow (UCL Institute of Epidemiology &
Health Care)

An interdisciplinary study about art groups for women who have experienced domestic abuse

Alison is a Research Fellow in Social Science at the UCL Institute of Epidemiology & Health Care.

She is a member of the Psychobiology Research group and the recently launched WHO Collaborating Centre for Arts & Health. Alongside Professor Jessica Ringrose and Dr Lorna Collins (both based at the Institute of Education), they have been exploring the value of art groups as a tool for supporting the wellbeing of women who have experienced domestic abuse. Her broad research interests include qualitative research methodology, mental health interventions, wellbeing of vulnerable groups, health stigma, and identity.

Small grants research showcase



Dr Gemma Lewis

Research Associate in Psychiatric Epidemiology
(UCL Division of Psychiatry)

Investigating academic pressure as a risk factor for adolescent depression, to inform the development of whole-school interventions.

Dr Lewis is a psychiatric epidemiologist at the UCL Division of Psychiatry. Her research focuses on the causes, treatment and prevention of depression and anxiety. She also conducts research on self-harm and suicidality, which commonly co-occur with depression and anxiety. These mental health problems often begin during adolescence and much of Dr Lewis's research focuses on young people. She uses large population-based cohorts, and causal inference methods, to inform prevention. She also analyses data from large randomized controlled trials, to improve treatment.



Alexander Bolster

Trainee Clinical Psychologist
(Kings College London)

Multiple Minority Identities & Mental Health - A mixed-methods approach to addressing health inequalities

Alexander Bolster is a Trainee Clinical Psychologist at Kings College London. His research interests include health inequalities in mental health, especially those related to sexual minorities, adapting existing psychotherapy to better suit the needs of minority groups and trauma informed care. He previously delivered psychotherapy for individuals with difficulties such as depression, anxiety and trauma.

Most recently he has been working on a mixed-methods project at UCL exploring the impact of dual ethnic and sexual minority identities on mental health and wellbeing in young individuals. Mental health difficulties in sexual minorities is well documented, but this project addresses a significant gap in knowledge by examining how lived experiences impact mental health in ethnic and sexual minority individuals, an understudied group.

Small grants research showcase



Dr Niamh Murtagh

Senior Research Fellow
(The Bartlett School of Sustainable Construction)

Green Fronts - Gardening for health of the public and environment

Dr Niamh Murtagh is a Senior Research Fellow at the Bartlett School of Sustainable Construction, UCL, and a Visiting Research Fellow at the University of Turku, Finland, and the University of Surrey. An environmental psychologist by discipline, Niamh's focus has been on applying insights from psychological theory to a sustainable built environment, investigating the psychological underpinnings of pro-environmental behaviour in construction professionals including small builders, architects, building control officers and town planners.

A particular current focus is on how individuals' actions can make the built environment more effective at protecting people from the changing climate. Niamh has published in, and is a regular reviewer for, journals including *Journal of Environmental Psychology*, *Journal of Cleaner Production*, and *Environment and Behaviour*, and is on the Editorial Board of the forthcoming *Global Environmental Psychology* journal.



Dr Francesco Aletta

Research Associate
(Bartlett School Environment, Energy & Resources)

Deep Learning Techniques for Noise Annoyance Detection (DeLTA)

Francesco Aletta is a researcher currently based in London at the UCL Institute for Environmental Design and Engineering. He is a member of the Italian Acoustical Society (AIA) and the Secretary of the Technical Committee Noise of the European Acoustics Association (EAA). He has been active for more than 10 years in soundscape studies, and environmental acoustics more broadly, with a particular focus on soundscape descriptors and indicators and the harmonization of protocols for gathering perceptual data on acoustic environments. He was recently appointed by the British Standards Institution as Committee Member in the WG 54 "Perceptual assessment of soundscape quality" to work on the development of the ISO 12913 series on soundscape.

The future of global health security



Chair: Professor Robert Heyderman

Professor of Infectious Diseases and International Health and Head of the Research Department of Infection (Division of Infection and Immunity)

Rob Heyderman is a clinician scientist with skills and experience that bridge clinical practice, disease prevention and the fundamental understanding of the mechanisms of infectious disease. At UCL, he has established a Mucosal Pathogens Research Group which focuses on the microbial and immunological basis of severe infection caused by bacterial and viral mucosal pathogens in the UK and Africa. His population-based studies of vaccine-preventable disease in Africa have led to national vaccine implementation, evaluation and large-scale studies of modified vaccine schedules (in collaboration with Ministries of Health, WHO, PATH and UNICEF). Working with WHO AFRO, he is leading the evaluation of COVID19 vaccines in vulnerable adults. His expertise in the field of meningitis has been central to the launch of the WHO Road Map for Defeating Meningitis.



Dr Susan Hopkins

Clinical & Public Health Transition Lead and Chief Medical Advisor (UK Health Security Agency)

In October 2021 Susan became Clinical & Public Health Transition Lead and the Chief Medical Advisor for UKHSA. Previously she was the Interim Chief Medical Advisor at NHS Test and Trace and the Strategic Response Director for COVID-19 in PHE and led the division of healthcare-associated infections and antimicrobial resistance. She was appointed in 2006 as a consultant in infectious diseases and microbiology at the Royal Free London and continues to practice clinically.

She holds current research funding of approximately £20million with research partners across the UK and has more than 250 peer-reviewed publications related to infectious diseases

The future of global health security



Professor Sir Michael G. Marmot

Director of the Institute of Health Equity
(UCL Department of Epidemiology & Public Health)

Sir Michael Marmot has been Professor of Epidemiology at UCL since 1985. He is the author of *The Health Gap: the challenge of an unequal world* (Bloomsbury: 2015), and *Status Syndrome: how your place on the social gradient directly affects your health* (Bloomsbury: 2004). Professor Marmot is the Advisor to the WHO Director-General, on social determinants of health, in the new WHO Division of Healthier Populations; Distinguished Visiting Professor at Chinese University of Hong Kong (2019-), and co-Director of the of the CUHK Institute of Health Equity.

Marmot has led research groups on health inequalities for nearly 50 years. He chaired the Commission on Equity and Health Inequalities in the Americas and chaired the Commission on Social Determinants of Health (CSDH), and produced the report entitled: 'Closing the Gap in a Generation' in August 2008. At the request of the British Government, he conducted the Strategic Review of Health Inequalities in England post 2010, which published its report 'Fair Society, Healthy Lives' in February 2010. This was followed by the European Review of Social Determinants of Health and the Health Divide, for WHO EURO in 2014; Health Equity in England: Marmot Review 10 Years On, in 2020; Build Back Fairer: the COVID-19 Marmot Review in 2021; and the Report of the Commission on Social Determinants of Health in the Eastern Mediterranean Region, for WHO EMRO, also in 2021.

In 2000 he was knighted by Her Majesty The Queen, for services to epidemiology and the understanding of health inequalities.

Closing remarks



Professor Dame Anne Johnson

Professor of Infectious Disease Epidemiology,
Co-Director of UCL Health of the Public and
President of the UK Academy of Medical Sciences.

Dame Anne Johnson is Professor of Infectious Disease Epidemiology at University College London, Co-Director of UCL Health of the Public and President of the UK Academy of Medical Sciences.

After training in medicine in Cambridge and Newcastle Universities, she specialised in Epidemiology and Public Health. Her career has focussed on research into the epidemiology and prevention of HIV and sexually transmitted infections as well as other infections such as influenza, Ebola, antimicrobial resistance and COVID-19. She is a former member of the DEFRA Adaptation Sub-Committee of the Committee on Climate Change and a former Governor of the Wellcome Trust. She chairs the UK Committee for Strategic Coordination of Health of the Public Research (SCHOPR).

