



**ENGAGING ACADEMIC EXPERTISE  
TO IMPROVE HEALTH WORLDWIDE**

# Academic Health Solutions

## Organisation Chart

### THE BOARD OF DIRECTORS



Professor Sir John Tooke,  
Executive Chairman  
& Co-Founder



Dan Perrett,  
Co-Founder



Simon Laver,  
Co-Founder

### COUNCIL OF REFERENCE



Professor  
Louise Gunning



Professor  
David Naylor



Professor  
Andrew Morris



Professor  
John Wong



Professor  
Melvin Samsom



Professor  
Michael Farthing

### STRATEGIC PRACTICE LEADS



Professor  
Louise Gunning,  
(Academic Health Science Systems)



Professor  
Michael Farthing,  
(Research Integrity)

### EXECUTIVE TEAM



Dr Amy-Jo Lynch,  
Executive Assistant

# Academic Health Solutions

## Council of Reference



Professor Sir John Tooke,  
Executive Chairman  
& Co-Founder

**Professor Sir John Tooke** is Executive Chairman and Founder of Academic Health Solutions. A clinician scientist with interests in diabetes and vascular medicine, John led from inception the Peninsula Medical School, the first new Medical School in the UK for 40 years. From 2009-2015, he led the School of Life and Medical Sciences at UCL, London, as Vice Provost (Health) and Academic Director of UCL Partners, an academic health science system that subserves a population of 6m. He is the immediate Past President of the Academy of Medical Sciences in the UK and previously Chair of the UK's Medical School Council. He is currently Co-Chair of the Centre for the Advancement of Sustainable Medical Innovation, a joint institute between Oxford University and UCL.



Professor  
David Naylor

**Professor David Naylor** is President Emeritus and Professor of Medicine at the University of Toronto, where he was previously President (2005-13) and Dean of Medicine (1999-2005). He was also founding Chief Executive Officer of the Institute for Clinical Evaluative Sciences (1991-98). Naylor is the co-author of approximately 300 scholarly publications, spanning social history, public policy, epidemiology and biostatistics, and health economics, as well as clinical and health services research in most fields of medicine. He has been active as an advisor to governments, institutions, and enterprises in Canada and abroad over the course of more than 25 years. Recent assignments include chairing Canada's federal Advisory Panel on Healthcare Innovation (2014-15) and Canada's federal Advisory Panel on Fundamental Science (current). Naylor is a Fellow of the Royal Society of Canada and Canadian Academy of Health Sciences, Foreign Associate of the US National Academy of Medicine, Officer of the Order of Canada, and recipient of the F.N.G. Starr Medal.



Professor  
Louise Gunning

**Professor Dr. Louise Gunning-Schepers** is currently University Professor of Health and Society. Before that Louise Gunning was President of the University of Amsterdam and the University of Applied Sciences until April 2015, President of the Health Council of the Netherlands until April 2012, President of the AMC-UvA's Executive Board and dean of the UvA's Faculty of Medicine for almost 10 years. Gunning (1951) was trained in medicine and public health in Groningen and at Johns Hopkins and obtained her PhD from the Erasmus University (EUR). In 1991, she was appointed Professor of Social Medicine at the AMC/UvA. From 1995 to 1997 she was a member of the Scientific Council for Government Policy. From 1997 she served on the Executive Board of the AMC-UvA and also held the position of vice-dean.



Professor  
Andrew Morris

**Professor Andrew Morris** is Professor of Medicine, Director of the Usher Institute of Population Health Sciences and Informatics and Vice Principal of Data Science at the University of Edinburgh. Prior to this Andrew was Dean of Medicine at the University of Dundee. He is seconded as Chief Scientist at the Scottish Government Health Directorate which supports and promotes high quality research aimed at improving the quality and cost-effectiveness of services offered by NHS Scotland and securing lasting improvements to the health of the people of Scotland. His research interests span informatics and chronic diseases. He has published over 300 articles. He is Director of the Farr Institute in Scotland funded by the MRC and nine other funders and Convenor of the UK Health Informatics Research Network. Andrew is a Governor of the Health Foundation, a leading UK charity that supports quality improvement in health care. Andrew also chairs the Informatics Board at UCL Partners, London and is co-founder of Aridhia Informatics, a small Scottish based biomedical informatics company.



Professor  
Melvin Samsom

**Professor Melvin Samsom** has been the Chief Executive Officer of Karolinska University Hospital since October 1, 2014. Professor Samsom has been department chairman and division chairman at the University Medical Center Utrecht, then becoming CMO, and in 2011 Chief Executive Officer of Radboud University Medical Center. Professor Samsom has had a distinguished career, both as a Scientist and as an Administrator and is Professor of Gastroenterology. He is as recipient of a prestigious personal grant from the Royal Netherlands Academy of Arts and Sciences, he has conducted research at the Royal Adelaide Hospital in Australia and the Mayo Clinic in the United States, as well as in the Netherlands.



Professor  
John Wong

**Professor John Eu-Li Wong**, Isabel Chan Professor in Medical Sciences, is Senior Vice President (Health Affairs) at the National University of Singapore (NUS), and Chief Executive of the National University Health System (NUHS). He is actively involved in the development of Biomedical Sciences as a key pillar of Singapore's economy, as well as the development of Singapore's first Academic Health System linking the National University Hospital and its national specialty centers with the National University of Singapore's medical, nursing, dental, and public health schools under one unified governance to develop a fully integrated health system focused on value, innovation, and sustainability to address Singapore's current and future healthcare needs. He is actively involved in the M8 Alliance of Academic Health Centers, the Association of Academic Health Centers – International, the Global Genomic Medicine Collaboration, the Editorial Board of the Journal of the American Medical Association, and the International Editorial Board of the American Journal of Medicine.



Professor  
Michael Farthing

**Professor Michael Farthing** is Honorary Professor and Honorary Consultant Gastroenterologist at UCL Medical School, University College London. He was formerly Vice-Chancellor of the University of Sussex until 2016, Principal of St George's, University of London, Executive Dean of the Faculty of Medicine at the University of Glasgow and Dean of the Faculty of Clinical Medicine at Bart's and the London. He was founding chairman of COPE (Committee on Publication Ethics) between 1998 and 2003 and is Vice Chair and a member of the Board of the UK Research Integrity Office. He is a member of the governing board of the UK medical regulator, The General Medical Council.

# Academic Health Solutions

## Prospectus of Services

### Our purpose

Academic Health Solutions (AHS) was founded in 2015 in the belief that population health and wealth can benefit from harnessing the transformative potential of modern academia and a passion for seeing that happen. The unsustainability of many health systems and the medical innovation pathway means such potential should be exploited now.

### Our ethos

Achieving medical advance and associated economic gains requires the brightest minds, selected for the issue in question. Although the challenges facing health and the process of medical innovation are global, we believe the solutions are often context-specific, requiring a profound awareness of the local constraints and opportunities and are best co-developed with the client.

### Our services

To rise to this agenda AHS has established a range of high-end services including:

- Advising on the development and optimisation of academic health science systems around the globe
- Curriculum design and evaluation, staff development, and affiliated recruitment services, recognising the centrality of workforce capability in meeting the health and innovation challenge
- Assessing an institution's or partnership's digital maturity and advising on the development of a data science strategy, recognising the crucial part that will be played by data and analytics in the future of health services and medical research
- Ensuring the quality and integrity of the research process to sustain and enhance an institution's reputation and impact
- Expert assessment of the potential of medical innovations to guide investment decisions and hasten the resolution of unmet clinical need



# Academic Health Solutions

## Our Approach

What distinguishes AHS from generic consultancy services is our use of a range of innovative analytical tools and access to world class academic expertise drawn from an extensive panel of experts providing authoritative, bespoke advice. Fostering such an analysis-led culture and international network of elite academic capability is key to our success.

### Ancillary services

No advisory service can offer in-house expertise for every problem and AHS is no exception. But through established links with affiliated providers who share the same purpose, ethos and quality standards we are able to extend our capabilities into complementary areas. For example, our affiliated providers can advise on hospital buildings, staff and leadership recruitment and data science strategies, enabling clients to access solutions to complex challenges as efficiently as possible.

### International Panel of Experts

We have access to expertise from around the world – embracing a range of disciplines from academia, clinical practice, professional services and industry – to be harnessed to understand your specific needs and co-create solutions tailored to address them.

### Contact us

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# Educational Services

## Meeting global education and training needs for world-class healthcare professionals

### Why we do it

Within any healthcare system the quality of the professional staff are key to success. Their skills, knowledge and behaviours have a profound impact on health outcomes and the patient experience. The education they receive is of crucial importance in ensuring such impact is achieved.

To that end our educational services have been designed to help clients secure the very best outcomes for the population they serve.

### How we do it

To achieve the desired health improvement we believe that it is essential to design curricula that address local health needs and are created with the local context firmly in mind.

Academic Health Solutions (AHS) is committed to the creation of programmes that develop trainees and staff to their full potential, instilling the competence and confidence for them to excel in their roles.

Learning needs evolve as health priorities change and technological advance makes new things possible. Adaptability and a 'learning health system' is part of the culture our services seek to encourage.

The education of healthcare professionals is rightly subject to regulatory scrutiny and our services pay particular attention to: quality assurance; robust, validated assessment processes; and meeting accreditation requirements, engaging with regulatory experts and professional bodies as appropriate.

In offering these services we work closely through our affiliated partner, the UCL Medical School Educational Consultancy (MSEC). MSEC is a leading authority on the theory and practice of healthcare education with a strong track record in providing context-specific and culturally sensitive undergraduate and postgraduate educational solutions around the globe, drawing on its extensive medical education faculty at University College London and profound links with the Medical Royal Colleges.

Through access to our International Advisory Panel with specific expertise and links with prestigious schools serving nursing, pharmacy and the other allied health professionals the educational needs of the whole health care workforce can be catered for.

# Educational Services

Meeting global education and training needs for world-class healthcare professionals

## What we do

Consistent with our ethos the first task is usually to understand the aspirations of the client, the health need to be addressed and the context specific features that need to be considered. Only with these issues clarified can the educational outcomes be sufficiently defined.

We offer a range of tailored services drawing on our wealth of experience including:

- The development of the whole curriculum for undergraduate programmes and higher specialist training
- Bespoke training packages to equip local teachers to provide specific, world class programmes to address skills shortages
- The development of whole new medical and dental schools and contribution to the planning of physical facilities, learning technologies and staff requirements
- Recruitment and staff development services to meet staffing need

In all of this our aim is clear – to ensure the health of the population benefits from optimally educated healthcare trainees and established practitioners who have the competence and confidence to provide excellent patient-centred care.



# Medical Innovation Technology Assessment

Ensuring investment is targeted at innovative medical technologies with the best chance of securing health and wealth

## Why we do it

Many of the step functions in medical advance have been driven by the development of innovative technologies. In the drug field, the dawn of the antibiotic era represents one such milestone, resulting in the saving of millions of lives. More recently disease modifying monoclonal antibody therapy for rheumatoid arthritis has revolutionised the treatment of this disabling condition. Advances in the field of diagnostics have been no less dramatic with availability of MRI, CT scanning and PET imaging providing non-invasive insights into the body's structure and function.

In the post-genomic era the pace is set to accelerate with the prospect of near-patient testing, ambulatory monitoring coupled with wireless technology, and the potential to integrate and analyse vast data sets.

Realising the full potential of these and other advances, as rapidly as possible, to address unmet clinical need and support the development of precision treatments and prevention will depend on identifying and backing the most promising technologies – sound investment choices will need to be made.

## How we do it

Academic Health Solutions (AHS) is committed to harnessing academic excellence to generate population health and wealth. Our International Advisory Panel comprises world class experts in their respective fields and are a rich source of highly informed advice when it comes to the identification and assessment of potential new medicines, and innovative MedTech and software solutions.

By being able to access more than one expert where appropriate and through adopting transparent protocols for the assimilation of evidence, the quality of advice we are able to offer is greatly enhanced.

# Medical Innovation Technology Assessment

Ensuring investment is targeted at innovative medical technologies with the best chance of securing health and wealth

## What we do

Many potential innovations appear exciting but unless they are based on sound science, and are likely to be commissioned and become part of the preferred pathway of care, such early optimism will be thwarted. To help avoid this scenario our experts are specifically able to assess:

- The biological validity and plausibility of the innovation
- The current status of the scientific evidence base supporting the technology
- The availability of competitor products
- The disease or health maintenance burden the technology is likely to address
- The clinical utility of the innovation
- The ease of adoption in clinical practice, including pathway redesign requirements, and the likely medical professional reaction

Authoritative answers at the outset to these key questions can act as a critical filter and ensure that subsequent investment decisions are targeted at the right opportunities as well as informing marketing strategies.



# Development and Optimisation of Academic Health Science Systems

Catalysing global health and wealth through bespoke transformative academic health partnerships

## Why we do it

Without transformational change, the acceleration of innovation and a fundamental focus on high value healthcare that addresses the contemporary needs of patients and citizens, many health systems will be unsustainable and the benefits of modern medical science not fully realised. To rise to this challenge, around the world health systems are developing alliances with academic partners to harness their research and educational expertise and improve the health and wealth of the population they serve.

Establishing an effective academic health alliance is a formidable undertaking but one which Academic Health Solutions (AHS) has been designed to address. Led by academic clinicians and drawing on a wealth of international expertise, AHS has unique capabilities, credibility and integrity to understand the nature of the challenge and opportunities and offer comprehensive solutions to ensure an alliance meets its goals.

The prize is huge: more efficient and effective healthcare targeted at today's health problems and a major contribution to the knowledge economy of the region.

## How we do it

Four features characterise our approach and distinguish us from generic consultancy services:

1. In-depth **Analysis** and understanding of the local context
2. International quality, targeted, truly **Expert** advice
3. **Bespoke**, as opposed to generic, solutions that are...
4. **Co-developed** with the client

## What we do

### Analysis

We use a range of analytic tools to measure the determinants of success of academic health partnerships and map their progress including:

- Organisational culture and alignment (using our web-based tool, *Alliance Diagnostics*)
- Academic metrics by discipline, compared with peer group
- Educational performance
- Healthcare quality
- Enterprise metrics
- Innovation quotient
- Health data science maturity (using our web-based tool, *Digital Diagnostics*)

# Development and Optimisation of Academic Health Science Systems

Catalysing global health and wealth through bespoke transformative academic health partnerships

## Expert advice

We provide discipline-specific expertise to interpret the metrics and inform a successful strategy to secure the partnership's goals involving:

- Experienced clinical academic leadership with first-hand experience of developing successful internationally competitive academic health alliances
- A Council of Reference with unparalleled sector-specific expertise
- Our extensive panel of international experts covering the full range of academic, health, managerial, professional services and related industrial disciplines

## Co-development of bespoke solutions

The solutions we co-develop with you address the full range of needs academic health alliances encounter including:



# Health Research Integrity Service

Ensuring the quality and integrity of the research process to secure advances in population health and wealth

## Why we do it

Biomedical research is a complex business and the stakes are high. Poor quality research, or worse still research fraud, can undermine a research institution's hard won reputation with profound financial consequences. Biomedical research is a global activity in which collaborations cross national and continental borders, which brings additional challenges for research governance.

Processes and cultures that support the production of robust high quality research are essential to mitigate these risks. But even the best institutions cannot safeguard against every eventuality. Under these circumstances, the ability to engage with highly respected experts with past experience in such matters to help identify what went wrong and how similar events can be avoided in the future can help your organisation emerge stronger.

Academic Health Solutions (AHS) offers a range of services to help a research institution or partnership ensure the quality and integrity of its research process.

## How we do it

Led by Professor Michael Farthing, former Vice Chancellor of the University of Sussex and Vice-Chair of the UK Research Integrity Office (UKRIO), our International Advisory Panel involves individuals drawn from different countries and contexts with first-hand experience of addressing matters relating to research integrity. Our adaptive and sensitive approach enables us to work closely with institutions reactively to aid investigations; conversely, we also work with institutions proactively to raise awareness and achieve optimal research governance.

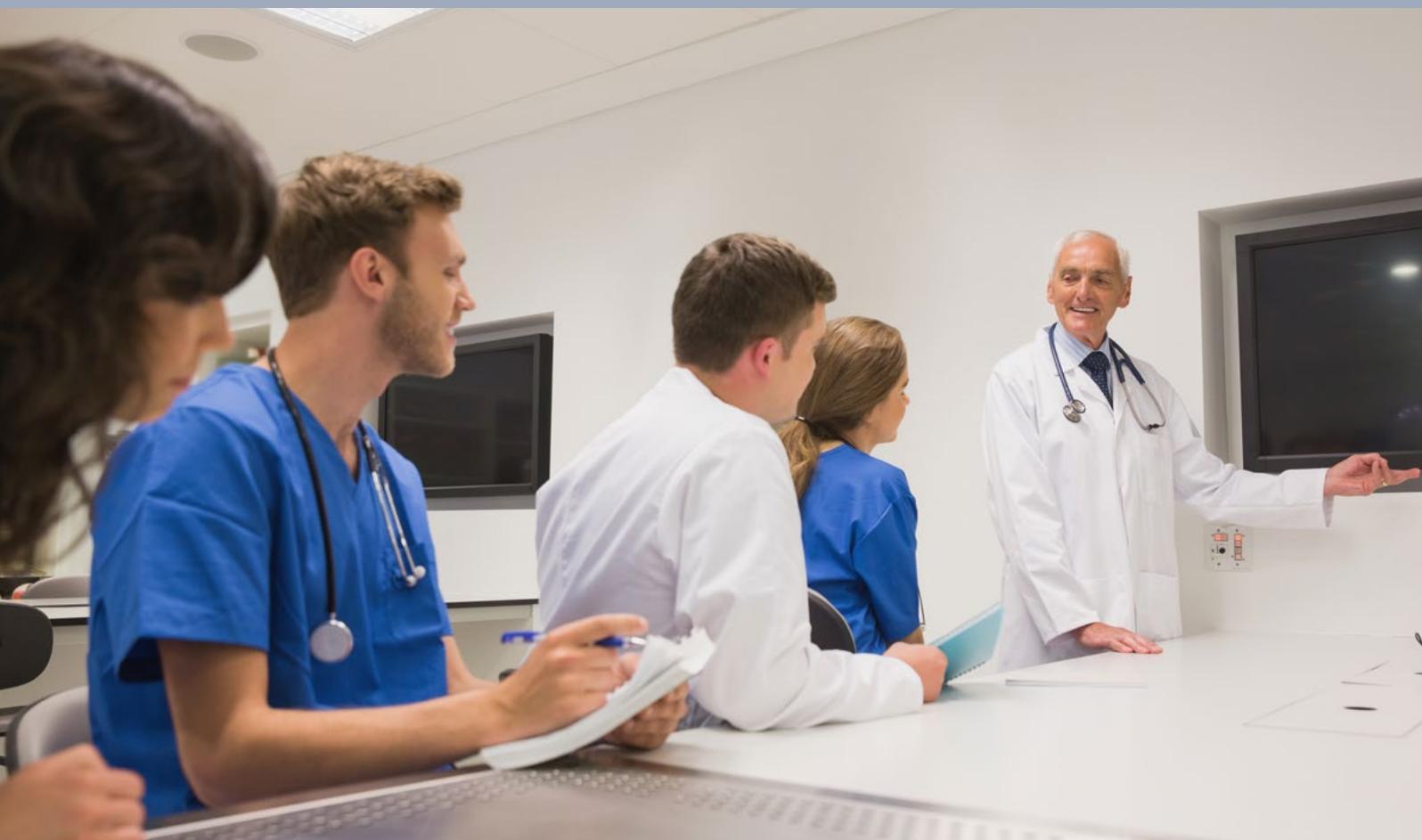
In addition, our evaluative practice experts are vastly experienced in developing and evaluating changes in social practice, most notably in the higher education sector internationally.

# Health Research Integrity Service

Ensuring the quality and integrity of the research process to secure advances in population health and wealth

## What we do

- Provision of experts in research integrity to lead or contribute to confidential investigations of research fraud and misconduct
- Review of research governance and processes and the prevailing research culture
- Co-development of research governance processes with the client to optimise research performance and mitigate research-related risks
- Co-development of training programmes to instil the necessary skills in the client organisation
- Using an evaluative practice model, drawing on social practice experts, develop an adaptive, self-correcting culture that sustains high research quality and integrity long-term





**ACADEMIC HEALTH  
SOLUTIONS**

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