



Celebrating the UK's scientific contributions to tackling the pandemic

2021 FORUM Sir Colin Dollery Lecture

Chaired by Professor Dame Anne Johnson DBE
PMedSci, President, Academy of Medical Sciences,
with Sir Patrick Vallance FRS FMedSci,
Chief Scientific Adviser to HM Government

25 November 2021

The Academy of Medical Sciences, 41 Portland Place, London



We will be filming and livestreaming the lecture, and taking photographs. If you do not wish to have your photograph used, please make yourself known to an Academy staff member at the start of the meeting. Academy staff can be identified by their lanyards. We will be live tweeting from @acmedsci using #AMSFORUM2021, so please feel free to tweet about the event.

FORUM

Linking life science sectors

“The Academy’s FORUM provides an independent platform where stakeholders from across the life sciences sector can connect and take forward national discussions on scientific opportunities and technology trends”

Professor Sir John Bell GBE FRS HonFREng FMedSci, Regius Professor of Medicine, University of Oxford

The Academy’s FORUM was established to catalyse connections across industry, academia and the wider healthcare sector.

Through the FORUM we aim to promote:

- **Sustainable translation of research outputs into health and wealth gains.**
- **A vibrant innovation ecosystem.**
- **A strong UK industry.**

The Academy’s FORUM Annual Lecture recognises key individuals working at the interface of academia, industry and healthcare and provides an opportunity to promote discussion amongst FORUM members, Academy Fellows, invited guests and members of the public.

The lecture is named in memory of Sir Colin Dollery FMedSci’s contribution to biomedical and health research and his family’s commitment of long term financial support for this event. This year marks the inaugural Sir Colin Dollery Lecture.

The success of the FORUM relies on supporter organisations who make an annual donation. These donations enable the Academy to deliver its FORUM programme of high profile meetings, including the Annual Lecture.

To discuss how your organisation can join the network of FORUM supporters, please contact forum@acmedsci.ac.uk.



Agenda

| Time | Start |
|-------------|--|
| 14.00-14.05 | Opening remarks from chair and speaker introduction Professor Dame Anne Johnson DBE PMedSci FMedSci, President, Academy of Medical Sciences |
| 14.05-14.10 | In memory of Sir Colin Dollery FMedSci Professor Sir Keith Peters GBE FRS FLSW FMedSci |
| 14.10-14.25 | Session 1 On the frontline: Innovations in clinical practice during the pandemic <ul style="list-style-type: none"> • Professor Natalie Pattison, Professor of Clinical Nursing, University of Hertfordshire • Professor Charlotte Summers, Professor of Intensive Care Medicine, University of Cambridge on RECOVERY, ICU care and infection control |
| 14.25-14.40 | Going virtual: digitalisation of healthcare during the pandemic <ul style="list-style-type: none"> • Dr Dave Triska, GP • Mr Jacob Haddad, Co-Founder, accuRx |
| 14.40-14.55 | Speaker Q&A |
| 14.55-15.10 | Session 2 Clinical trial innovation during COVID-19 <ul style="list-style-type: none"> • Kimberley Featherstone, RECOVERY trial participant • Professor Patrick Chinnery FMedSci, Professor of Neurology & Head of the Department of Clinical Neurosciences at University of Cambridge, and Chair of the National Core Study on Clinical Trials and of the UK COVID-19 Therapeutics Advisory Panel |
| 15.10-15.25 | Arming the nation against COVID-19: Vaccine development and rollout <ul style="list-style-type: none"> • Dr Waseem Bani, Junior Doctor, North West England; National COVID Response Group, British Islamic Medical Association (BIMA) • Dr Melanie Saville, Director of Vaccine Research & Development, Coalition for Epidemic Preparedness Innovations (CEPI) |
| 15.25-15.40 | Speaker Q&A |
| 15.40-15.55 | Break |
| 15.55-16.45 | Session 3 Stretch and challenge: lessons learned from the pandemic for the future Panel chair: Sir Patrick Vallance FRS FMedSci, Government Chief Scientific Adviser <ul style="list-style-type: none"> • Panellists: <ul style="list-style-type: none"> ○ Lynn Laidlaw, Co-chair, Patient and Care Reference Group, Academy of Medical Sciences' COVID-19: preparing for the future report. ○ Dr June Raine CBE, Chief Executive, Medicines and Healthcare products Regulatory Agency ○ Professor Kamlesh Khunti FMedSci, Chair of the Ethnicity Subpanel and Member, Scientific Advisory Group for Emergencies (SAGE); Professor of Primary Care Diabetes & Vascular Medicine, University of Leicester ○ Dr Najeeb Rahman, Consultant in Emergency Medicine, Leeds Teaching Hospitals NHS Trust; Member, National COVID Response Group, BIMA; Trustee, Doctors Worldwide; Founder, Frontline Collaboration Against COVID-19. |
| 16.45-17.00 | Closing remarks <ul style="list-style-type: none"> • Closing reflections from Sir Patrick Vallance FRS FMedSci • In memory of Sir Colin from Lady Dollery • Closing reflections from Professor Dame Anne Johnson DBE PMedSci FMedSci |
| 17.00-18.30 | Drinks reception |

FORUM programme 2021-22

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|---------------------|---|
| 3 March 2021 | <p>Regulatory science roundtable A joint roundtable with the MHRA exploring the implications of the COVID-19 response for regulatory science and how we might develop the regulatory science field going forward.</p> |
| 19 March | <p>Building a sustainable diagnostics sector This workshop, following an earlier roundtable on COVID-19 testing, broadened conversations beyond COVID-19 to include all therapy areas and technologies within the in vitro diagnostics (IVD) and pathology fields.</p> |
| 5 July | <p>Advances in antimicrobial innovation Held in partnership with the Royal Society. This symposium is part of a wider Academy stream of work on AMR and explored advances in antimicrobial research as we seek to tackle the growing problem of antimicrobial resistance. The symposium included a keynote from Dame Sally Davies, UK Special Envoy for AMR.</p> |
| 12 October | <p>Diagnostics: Building capacity and capability in the UK Held in partnership with the Royal Society, this half-day virtual symposium explored advances in the diagnostics sector and the opportunities and challenges towards building capacity and capability within the UK.</p> |
| 18 October | <p>Women's Health: a life course approach Held in partnership with the Royal Society. This half-day virtual symposium built on the Academy's response to the DHSC's Women's Health Strategy call for evidence and explored innovative, evidence-based health technologies and interventions that can benefit women during the different stages of their lives.</p> |
| 25 November | <p>The 2021 FORUM Sir Colin Dollery Lecture - Celebrating the UK's scientific contributions to tackling the pandemic</p> |
| 10 December | <p>From bedside to bench: experimental medicine and clinical insights for understanding chronic pain This invite-only workshop run in partnership with the British Neuroscience Association, The Physiology Society and Versus Arthritis. The workshop will explore opportunities to reinvigorate preclinical and clinical chronic pain research, including using patient insight for reverse translation.</p> |
| 15 December | <p>Antimicrobial resistance research: learnings applied from COVID-19 A workshop in partnership with the Department of Health and Social Care examining what lessons from the COVID-19 pandemic response could be translated to tackle the ongoing challenge of antimicrobial resistance.</p> |
| Q1 2022 | <p>Clinical trials for rare and ultra-rare diseases This event will likely explore how innovations in clinical trial design, biomarkers and endpoints to generate robust evidence can be made practical and acceptable to researchers, patients living with rare conditions, regulators/assessors and clinical trial sites/sponsors.</p> |

Sir Colin Dollery FMedSci

Some personal reflections

From Mary Manning, former Executive Director, Academy of Medical Sciences

In summer 2000, during the Admissions Day meeting of Academy Officers, Fellows and guests, President Peter Lachmann invited members of the audience to share their views about the new Academy. Colin, a Founder Fellow, rose to his feet – and the rest is history...!

Colin was forthright in his questioning: how was the Academy to earn its living, how could it prove to be more than another gentleman's club, what would make it distinctive from all the other membership bodies? Thus he established himself as a potential Officer of the Academy and when Sir Graeme Catto, the Academy's founder Treasurer, left office by rotation in 2002, Colin volunteered his services. I was present at his first meeting with Peter and the other Officers and it was, as you might imagine, very business-like and covered a lot of ground. Colin also described the chemotherapy treatment he was undergoing at that time and assured everyone that this would not prevent him from fulfilling his task. I mention this here as an example of Colin's candid style and also his future robustness in that he would arrive for an Officer's meeting straight from the chemo clinic and participate as though he'd arrived from a morning at the office.

In 2002 the Academy's resources were modest apart from the accommodation. We occupied a suite of rooms on the second floor of 10 Carlton House Terrace, the recently refurbished headquarters of the British Academy, which we had been allocated as part of a complex negotiation between the British Academy, Royal Society and the Wellcome Trust. Colin described our accommodation as the 'piano nobile' finding it rather impractical for our needs – and indeed our funding. There was little money in the bank and for a while the future looked precarious. However during Colin's period as Treasurer the Academy prospered and when he retired four years later the AMS was on a firmer footing.

This was a major team effort, with the Officers and President (Keith Peters succeeded Peter Lachmann) working in their many ways to win support from the NHS, pharmaceutical industry and charitable organisations. Colin's role was to professionalise the financial management of the organisation and ensure the Academy was an attractive and secure investment for potential donors. There was also the pressure to demonstrate value for money to our elected Fellows who paid an annual fee for the membership.

Colin was particularly supportive of the office staff and took a personal interest in ensuring that everyone had an up to date computer on their desk with a flat screen. The office lacked a decent office printer and staff had to go down into the basement of the building to do most of the copying. Colin and I spent some time investigating different models of printers, on one occasion visiting an office in Holborn for a demonstration, and there was much rejoicing when a new printer was installed. Other furniture arrived – a bookcase and a meeting table. With only a handful of staff and little money, every small step was welcomed.

Eventually, with an improving financial situation, Colin instigated a system of annual bonuses for staff which was greatly appreciated. By 2005 the Finance Committee was discussing a reserves policy and relocation fund, and the staff had expanded to include a Finance Officer.

With his background in pharmacology, Colin was well placed to assist the Academy with a new project that started to take shape during his tenure as Treasurer. This was the Academy's Forum with industry which exists to this day and has no doubt played a role in promoting the links between academe and industry that have made such a significant contribution to vaccine research. I have a detailed note of Colin's contribution to an off-site Council meeting in 2005 in which he highlighted the importance of making use of the Academy's most valuable asset, its Fellowship. He encouraged us to capture their energy, promote multidisciplinary teams to tackle complex problems particularly in healthcare, and select projects that would be respected and build the Academy's reputation for quality and timeliness. This aspiration was shared by us all and I believe it underpins the AMS policy to this day.

Four years is not a long time in which to make change and consolidate progress but in those early days of the AMS it was something of an adventure and the team – President, Officers and staff - worked well together and believed in getting things done. Our style of working was, I think, attractive to all who joined us and hopefully proved to be a positive experience.



Sir Colin Dollery FMedSci,
Portrait of the Dean of the Royal Postgraduate Medical School by Tom Wood 1996
Photograph courtesy of Martin Wilkins



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