

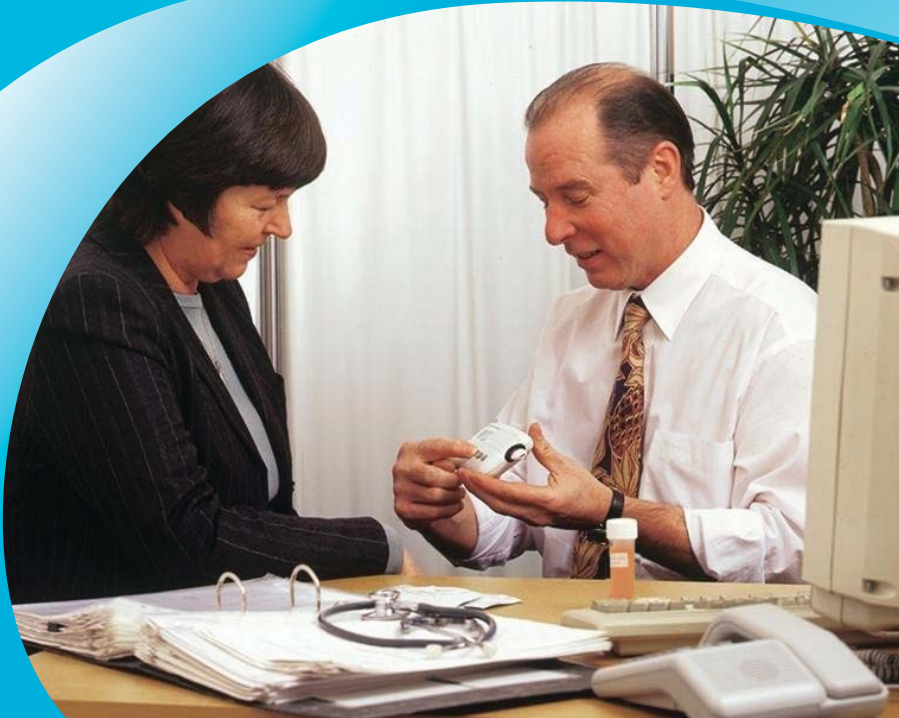


The Royal Academy  
of Engineering

UK Focus for  
Biomedical Engineering

## Point of care testing Briefing Seminar

1.45pm, Tuesday 30 June  
3 Carlton House Terrace, London, SW1Y 5DG



# Point of care testing

**Point of care testing (POCT) can be defined as diagnostic testing performed and analysed outside the laboratory and near patients, usually by trained scientists, healthcare professionals or by patients themselves.**

The POCT concept is not new and began with bedside urine testing in the 19th century. With the development of new science and technologies, it is now feasible for many tests which could formerly only be carried out in sophisticated laboratory settings to be performed near to the patient or while they wait.

POCT is expected to grow for a number of reasons: changes in clinical practice, limitations of the laboratory service and patient demand for a more direct service. However, the full scale adoption will involve a number of challenges. These include changing clinical needs, adoption of new science and technology, regulations, ethical issues and commercial attractiveness.

These issues will be addressed at the briefing seminar and there will be an open discussion of opportunities and challenges in POCT, with a broad range of speakers from engineering, healthcare and industrial communities.

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## Programme

**1.45pm Registration**

**2.15pm Introduction**

Professor Anthony Unsworth FEng, Chair, UK Focus for Biomedical Engineering

**2.20pm Clinical need for infectious disease point of care diagnostics**

John Clarkson, CEO, Atlas Genetics Ltd

**2.50pm The evaluation and regulation of tests**

Dr Caroline Wright, Head of Science, Foundation for Genomics and Public Health

**3.10pm Break**

**3.30pm Diagnostics: the scientific and technology horizons**

Professor Chris Lowe FEng, University of Cambridge

**4.00pm Point of care diagnostics: an industrial view point**

Doris-Ann Williams, Director General, British In Vitro Diagnostics Association

**4.30pm Discussion**

**5.15pm Drinks reception**

# Point of care testing

Tuesday 30 June

Registration Form

I wish to reserve  place(s) for the event

Title First name

Surname Honours

Position

Organisation

Address

Postcode

Telephone Email

I would like to bring a guest(s)

Title First name

Surname Honours

Position

Organisation Email

Title First name

Surname Honours

Position

Organisation Email

**Please return to:**

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Please detach and return booking form only

# The Royal Academy of Engineering

As Britain's national academy for engineering, we bring together the country's most eminent engineers from all disciplines to promote excellence in the science, art and practice of engineering. Our strategic priorities are to enhance the UK's engineering capabilities, to celebrate excellence and inspire the next generation, and to lead debate by guiding informed thinking and influencing public policy.

The Academy's work programmes are driven by three strategic priorities, each of which provides a key contribution to a strong and vibrant engineering sector and to the health and wealth of society.

## Enhancing national capabilities

As a priority, we encourage, support and facilitate links between academia and industry. Through targeted national and international programmes, we enhance – and reflect abroad – the UK's performance in the application of science, technology transfer, and the promotion and exploitation of innovation. We support high quality engineering research, encourage an interdisciplinary ethos, facilitate international exchange and provide a means of determining and disseminating best practice. In particular, our activities focus on complex and multidisciplinary areas of rapid development.

## Recognising excellence and inspiring the next generation

Excellence breeds excellence. We celebrate engineering excellence and use it to inspire, support and challenge tomorrow's engineering leaders. We focus our initiatives to develop excellence and, through creative and collaborative activity, we demonstrate to the young, and those who influence them, the relevance of engineering to society.

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Using the leadership and expertise of our Fellowship, we guide informed thinking, influence public policy making, provide a forum for the mutual exchange of ideas, and pursue effective engagement with society on matters within our competence. The Academy advocates progressive, forward-looking solutions based on impartial advice and quality foundations, and works to enhance appreciation of the positive role of engineering and its contribution to the economic strength of the nation.

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## UK Focus for Biomedical Engineering

The UK Focus for Biomedical Engineering provides a forum through which the principal organisations concerned with biomedical engineering can communicate, debate and act jointly upon issues which affect the field as a whole. It seeks to influence high level decision makers in the Department of Health, central government, research funding sources and industry by highlighting the important contribution that biomedical engineering makes to healthcare and by encouraging industry to exploit the opportunities available in this field.



The Royal Academy of Engineering promotes excellence in the science, art and practice of engineering.

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