

Measurements Matter

Find out how to ensure your data are fit for purpose in a free Webinar series:

Maximising the performance of flow cytometry

Part 1 – 15th November 2023 (13:00 - 14:00)

Part 2 – 22nd November 2023 (13:00 - 14:00)

Part 3 – 29th November 2023 (13:00 - 14:00)

Delivered as part of the UKRI BBSRC-funded project on Standards and Metrology Training for Engineering Biology

Part 1 – 15th November 2023

- Learn the fundamentals of flow cytometry.
- Principles of flow cytometry systems:
 - Fluidic subsystems
 - Optical subsystems
 - Electrical subsystems
- Controls for flow cytometry to maximise performance.

Part 2 – 22nd November 2023

- The significance of compensation in multi-parametric analysis.
- Identifying and overcoming sources of variation in flow cytometry.

Part 3 – 29th November 2023

- How to design multicolour panels.
- Overcoming challenges with gating strategies.
- Combining data to understand morphologically diverse samples.

Webinars will be for one hour from 13:00 to 14:00
Recordings will be made available to all registered participants

REGISTER NOW FOR ALL THREE PARTS BY SCANNING EACH QR CODE BELOW

For further information email training@lgcgroup.com



Maximising the performance of flow cytometry

What is metrology and why do you need to know about it?

Metrology is simply the science of measurement. It is relevant to all measurements, regardless of their application or associated uncertainty. Every day, millions of measurements are made globally, and their applications are many and varied. Measurement results underpin international trade, support manufacturing, enable effective medical treatments, are crucial to research and development, and protect consumers and the environment. To enable sound decisions to be taken, these results need to be reliable.

Obtaining reliable measurement results doesn't happen by accident. There are many issues that scientists need to consider to ensure that their results are fit for purpose. After all, the consequences of getting it wrong can be significant! For emerging sectors such as engineering biology to reach their full potential, it is essential that the principles of metrology are understood and implemented. Only with reliable data can new technologies transition from the laboratory to the marketplace.

Join us on this free three-part webinar course to learn about the key concepts of measurement science and to understand some of the issues laboratories need to address to ensure the reliability of measurement data from flow cytometry systems.

About the UKRI BBSRC Standards and Metrology Training for Engineering Biology project

While primarily aimed at Masters and PhD level students, and other early career scientists, this course will be of interest to anyone working in the engineering biology field who wants to learn more about ensuring reliable and robust measurements using flow cytometers.

About the UKRI BBSRC Standards and Metrology Training for Engineering Biology project

This training course is being organised by the National Measurement Laboratory for Chemical and Bio-measurement (hosted at LGC) as part of the UKRI BBSRC-funded project on Standards and Metrology Training for Engineering Biology. The project aims to upskill the community and equip a new generation of researchers with the knowledge to deliver more robust reproducible science in engineering biology.