

# GW4 CYTOMICS

Networking Group

1<sup>st</sup> April 2025

Time: 09:15 am – 05:00 pm

Cardiff University, sbarc/spark, Maindy Road, Cardiff CF24 4HQ



## In Memory of Dr. Andrew Herman

We dedicate this year's GW4 Cytomics Symposium 2025 to Andy, honouring his contributions, passion for cytometry, and the impact he had on our community.

## “Exploring the Future of Single-Cell and Particle Cytometry”

Join us to connect, collaborate, and shape the future of cytomics!

The GW4 Cytomics Symposium 2025 brings together experts and innovators across the GW4 network to explore cutting-edge advances in single-cell and particle cytometry.



### Keynote Speakers

Dr. Rachael Walker, *Head of Flow Cytometry at The Babraham Institute, Cambridge*

Prof. Rachel Errington, *Head of Cardiff University School of Medicine*

Prof. Andrew Filby, *Professor of Practice, Newcastle University*



### Cutting-Edge Cytometry

- Exciting Research Talks by Leading Scientists
- Innovative Applied Techno-Talks from Commercial Partners
- Meet local and National Cytometry Experts



Agilent Technologies

Dotmatics



Registration and Contact



[Cytometry@exeter.ac.uk](mailto:Cytometry@exeter.ac.uk)

[cbsadmin@cardiff.ac.uk](mailto:cbsadmin@cardiff.ac.uk)



University  
of Exeter  
Centre for Cytomics



# GW4 CYTOMICS

Networking Group

1<sup>st</sup> April 2025

---

Time: 09:15 am – 05:00 pm

Cardiff University, sbarc/spark, Maindy Road, Cardiff CF24 4HQ

09.15 **Welcome/Registration** with coffee and pastries

## Opening

10.00 **Welcome from your Cardiff hosts**

**Raif Yuecel** (Director, Centre for Life Science Technologies (LST) and Exeter Centre for Cytomics (EXCC), University of Exeter)

A Tribute to Andrew Herman

GW4 Cytometry Network Group

## Keynote Lectures

10.20 **Rachel Errington** (Professor, Head of Cardiff University School of Medicine)

Unified analysis and metrology of the tissue microenvironment

10.50 **Rachael Walker** (Head of Flow Cytometry at The Babraham Institute, Cambridge)

Colour Outside the Lines: The Magic of Spectral Flow Cytometry

## GW4 Cytometry Showcase

11.20 Introductions (with slides) and highlighting key aspect(s) followed by a discussion on opportunities for co-working, training events (including data management), other activities/initiatives

Bath - **Michael Zachariadis**, Isabelle Franco

Bristol - **Helen Rice**, Celyn Dugdale, Laura Rivino

Exeter - **George Vere**, Attila Bebes,, Iolanda Lopes Domingues, Sebastiano Montante, Raif Yuecel

Cardiff - **Catherine Naseriyan**, Ann Kift-Morgan, Kelly Miners, Marie Wiltshire, Mark Bishop, Kristin Ladell

12.00 **Lunch & Exhibition**



# GW4 CYTOMICS

Networking Group

1<sup>st</sup> April 2025

---

Time: 09:15 am – 05:00 pm

Cardiff University, sbarc/spark, Maindy Road, Cardiff CF24 4HQ

## Techno-bites

13.00 Cutting-Edge Updates (7 slots, 8min/company)

BD Biosciences, 10x Genomics, Bio-Rad, Merck, ThermoFisher, Sony, Miltenyi Biotec

## Keynote Lecture

14:00 **Andrew Filby** (Professor of Practice and Deputy Dean of the Newcastle University Biosciences Institute (NUBI))

Redefining the role of Research Technical Professionals (RTPs) in research, education and institutional management

## Scientific Applications 1

14.30 **Sebastiano Montante** (Exeter)

High dimensional analysis and machine learning in cytomics

14.50 **Kristin Ladell and Kelly Miners** (Cardiff)

High-dimensional cell sorting in a Containment Level 3 Facility

15.10 **Tea/Coffee break**

## Scientific Applications 2

15.30 **Flash Presentations** (ECRs, PhD students 5min/talk)

16.00 **Laura Rivino** (Bristol)

Understanding immunity to dengue infection using high-dimensional flow cytometry and CyTOF

16.20 **James Pearson** (Cardiff)

Immunology of Type 1 diabetes using the BD FACSymphony A3

16:40 **GW4 Group Members Meeting**

17.00 **CLOSE**