

DRAFT PROGRAMME RME2026



draft# 24/02/2026

The programme is still provisional and subject to change. The information (such as timelines, speakers, or content) is still being finalized, and no rights can be derived from this draft.

MONDAY 8 JUNE 2026

12:45 – 13:00	Opening of RME2026	Exhibition
13:00 – 15:00	Session 1 <i>Rapid analysis & diagnostics – What's up, Doc?</i>	
15:00 – 15:30	Networking break & poster viewing	
15:30 – 17:00	Session 2 <i>DNA detection methods – Part 1</i>	
17:00 – 17:45	Session 3 <i>Company pitches and speed presentations</i>	
17:45 – 19:00	Happy hour	

TUESDAY 9 JUNE 2026

08:30 – 10:30	Session 4 <i>DNA detection methods – Part 2</i>	Exhibition
10:30 – 11:00	Networking break & poster viewing	
11:00 – 12:30	Session 5 <i>Spectrometry/Spectroscopy</i>	
12:30 – 14:00	Lunch break & poster viewing	
14:00 – 15:30	Session 6 <i>Microfluidic devices</i>	
15:30 – 16:00	Networking break & poster viewing	
16:00 – 17:45	Session 7 <i>Paper-based methods</i>	

WEDNESDAY 10 JUNE 2026

08:30 – 10:30	Session 8 <i>Electrochemical methods</i>	Exhibition
10:30 – 11:00	Networking break & poster viewing	
11:00 – 13:00	Session 9 <i>Rapid analysis & diagnostics – What further?</i>	
13:00	Closing of RME2026	

MONDAY 8 JUNE 2025

OPENING AND RAPID OVERVIEW OF RME2026

RME2026 – the 15th conference in the Rapid Methods Europe series – will focus on the technology rather than the domain/sector, aiming to bring together scientists with different expertise with the possibility of cross-fertilizing each other and to develop new views and applications.



SESSION 1: RAPID ANALYSIS AND DIAGNOSTICS – WHAT'S UP, DOC?

- Sniffing for safe feed – a new field for detection dogs
Dr Carola Fischer-Tenhagen, German Federal Institute for Risk Assessment (BfR), Germany
- Micromotors for next-generation rapid and reliable bioassays
Prof. Alberto Escarpa, Department of Analytical Chemistry, Physical Chemistry and Chemical Engineering, Universidad de Alcalá, Spain
- Use of advanced technologies for developing efficient diagnostic and therapeutic clinical procedures
Dr Bobak Mosadegh, Department of Radiology, Weill Cornell Medicine, USA
- Near/real-time methods for process monitoring of mobile water purification systems: Ensuring safe water supply in disaster and crisis settings
Dr Georg Reischer, Interuniversity Cooperation Centre for Water and Health and TU Wien, Austria
- AI in plant phenomics
Dr Nuria De Diego, Czech Advanced Technology and Research Institute (CATRIN), Palacký University Olomouc, Czech Republic
- Co-design of rapid clinical molecular diagnostic assays in partnership with iwi-owned community health providers
Dr Craig Billington, Health Security Group, Institute for Public Health and Forensic Science, New Zealand

SESSION 2: DNA DETECTION METHODS – PART 1

- CRISPR-Cas based pathogen detection
Marleen Voorhuijzen, Wageningen Food Safety Research, Wageningen University & Research, the Netherlands
- Managing contamination when using high-throughput sequencing for plant pathogen detection
Prof. Sébastien Massart, Department Gembloux Agro-Bio Tech, University of Liège, Belgium
- Overcoming challenges to improve detection of protozoan parasites in the environment to achieve One Health benefits
Dr Frank Katzer, The Moredun Research Institute, UK
- An AmpliSeq™ HD approach for GMO identification by next generation sequencing
Geoffrey Cottenet, Institute of Food Safety & Analytical Sciences, Nestlé Research, Switzerland
- Miniaturized DNA extraction module for swab-based detection of allergenic traces on food processing surfaces
Carla Teixeira, Food Quality & Safety Group, International Iberian Nanotechnology Laboratory, Portugal

Additional titles and speakers for sessions 1 and 2 to be announced

SESSION 3: COMPANY PITCHES AND SPEED PRESENTATIONS

- Company pitches
Short presentations (5-minutes) by sponsors to inspire the audience to visit their booths
- Speed presentations
Selected poster presenters are given 5 minutes to present an overview of their research

TUESDAY 9 JUNE 2026



SESSION 4: DNA DETECTION METHODS – PART 2

- Advancing PCR-based methods in the water sector: From practical challenges to harmonized standards
Adrie Atsma, Water Expertise Centre Vitens, the Netherlands
- Low-temperature electrochemical loop-mediated isothermal amplification for the detection of *Listeria monocytogenes*
Dr Ane Rivas-Macho, Gaiker, Spain
- Speeding up crime scene investigation – Rapid DNA detection by lateral flow assays
Sophie van Rooijen, Laboratory of Organic Chemistry, Wageningen University & Research, the Netherlands
- Enabling diagnostics through point-of-care DNA extraction from large-volume urinary liquid biopsies
Mark Verheijden, Qurin, the Netherlands
- Miniaturised DNA extraction and loop-mediated isothermal amplification for portable detection of *Escherichia coli*
Dr Crescenzo Ianniello, Department of Chemical Engineering, University of Bath, UK
- Metagenomic sequencing with MinION to rapidly and effectively detect and identify closely related *Bacillus species* in plant-based foods and supplements
Dr Vania Patrone, Department for Sustainable Food Process (DiSTAS), Università Cattolica del Sacro Cuore, Italy
- Near zero-cost DNA amplification and diagnostics, using new-generation of electronics design and software
Prof. Max Hamedi, Department of Fiber and Polymer Technology, KTH Royal Institute of Technology, Sweden

SESSION 5: SPECTROMETRY/SPECTROSCOPY

- From benchtop to handheld: multi-spectroscopy data fusion and machine learning for food authentication
Dr Yicong Li, Institute for Global Food Security, Queen's University Belfast, UK
- New generation of immunoassays based on supercritical angle fluorescence readout and 3D-printed elements
María Amparo Hernández García, Bundesanstalt für Materialforschung und -prüfung (BAM), Germany
- Rapid detection of oregano adulteration using NIR hyperspectral imaging and soft PLS-DA
Prof. Michele Suman, Sensory and Analytical Food Science, Barilla G. e R. Fratelli S.p.A., Italy
- Real-time permeation analysis in polymer food packaging films using PTR-MS
Andreas Stenzel, Department of Sensory Analytics and Technologies, Fraunhofer Institute for Process Engineering and Packaging, Germany
- Seeing the invisible: exploiting non-targeted techniques to detect cold and mechanical damage in kiwifruit
Irene Locatelli, Department of Food, Environmental and Nutritional Sciences, University of Milan, Italy

SESSION 6: MICROFLUIDIC DEVICES

- Rapid microfluidic isolation of DNA and biological targets
Prof. Barbaros Çetin, Microfluidics & Lab-on-a-chip Research Group, Mechanical Engineering Department, Bilkent University, Türkiye
- Rapid detection of the heavy metal cadmium (preliminary title)
Ruben Massop, BioSensing & Diagnostics, Wageningen University & Research, the Netherlands
- Microfluidics-powered bacteria enrichment for uropathogenic detection
Kimberley Jordan, Department of Biomedical Engineering, University of Strathclyde, UK
- Channels, challenges and lessons: Insights from multi-channel lateral flow assay Development
Steven Lamont, LateralDx, UK

Additional titles and speakers for sessions 4, 5, and 6 to be announced

TUESDAY 9 JUNE 2026 (continued)



SESSION 7: PAPER-BASED METHODS

- Paper-based graphenisation: Enabling new modalities in paper-based diagnostics
Dr Daniel Richards, Department of Chemistry and Applied Biosciences, ETH Zurich, Switzerland
- Title to be confirmed
Dr Heleen van den Bosch, BioSensing & Diagnostics, Wageningen University & Research, the Netherlands
- Development of a rapid and sensitive fluorometric detection method for urobilin analysis for on-site water quality assessment
Dr Knut Rurack, Chemical and Optical Sensing, Bundesanstalt für Materialforschung und -prüfung (BAM), Germany
- Hot topic! What's in the can? Developing a fast, on-site test for pepperspray and tear gas
Dr Jan-Hein Hooijschuur, Centre of Applied Research Technology, Amsterdam University of Applied Sciences, the Netherlands

Additional titles and speakers for session 7 to be announced

WEDNESDAY 10 JUNE 2025

SESSION 8: ELECTROCHEMICAL-BASED METHODS

- A low-cost electrochemical approach for gallic acid determination in beverages using screen-printed sensors
Dr Sotirios Oikonomou, Centre for Sustainable Agri-Food and Environment, University of the West of England, UK
- Rapid electrochemical detection of PFAS molecules (preliminary title)
Dr Jeroen Peters BU Authenticity & Veterinary Drugs, Wageningen Food Safety Research, the Netherlands
- Wearable and point-of-care breath diagnostics through atomic-scale engineering of molecular sensors
Dr Hamin Shin, Human-centered Sensing Laboratory, Department of Mechanical and Process Engineering, ETH Zurich, Switzerland
- Molecularly imprinted polymer design: Targeting specificity and selectivity over affinity for biosensors
Prof. Nick Turner, School of Mathematical and Physical Sciences, University of Sheffield, UK
- Diagnostics at soft interfaces using electrochemistry
Prof. Ritu Katakya, Department of Chemistry, Durham University, UK
- Towards rapid detection of microplastic particles in human blood samples
Dr Monali Patel, Department of Civil and Environmental Engineering, University of Strathclyde, UK
- ELLA: Electrochemical lateral flow assay with linked analytics
Dr Firat Güder, Department of Bioengineering, Imperial College London, UK

SESSION 9: RAPID ANALYSIS & DIAGNOSTICS – WHAT FURTHER?

- Hydrogel beads for measurement of proteins in body fluids
Dr Ruchi Gupta, School of Chemistry, University of Birmingham, UK
- Sustainable electronic sensors for agriculture and environmental monitoring
Prof. Jeffrey Kettle, James Watt School of Engineering, University of Glasgow, UK
- Flying seed-inspired sensors for remote environmental monitoring
Dr Sagar Arya, Czech Advanced Technology and Research Institute (CATRIN), Palacký University Olomouc, Czech Republic
- Illuminating life beyond earth: Bioluminescence lab-on-chip technologies for biomarker detection in astrobiology
Dr Mara Mirasoli, Department of Chemistry 'Giacomo Ciamician', University of Bologna, Italy
- AI-to-Go: The next generation of chemometrics – portable analytical intelligence
Ronald Niemeijer, Niemeijer Science2Market Consultancy, Germany

Additional titles and speakers for sessions 8 and 9 to be announced