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**EXHIBITORS**

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microLAN, the Netherlands  
MP Biomedicals, France  
QIAGEN GmbH, Germany  
R-Biopharm AG, Germany  
rqmicro AG, Switzerland  
Scienion AG, Germany

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**SUPPORTERS**

The AQUAVALENS consortium has brought together SMEs, industries, universities and research institutes with the mission of protecting the health of European citizens from contaminated drinking water and water used in food processing.

The project DECATHLON brings together a broad range of experts and expertise to jointly work on the development of new or improved DNA-based methods that are needed in the field of food pathogens, traceability of GMOs, and customs issues.

The FoodIntegrity project aims to provide Europe with a state of the art and integrated capability for detecting fraud and assuring the integrity of the food chain. The associated partners involve regulators, consumers, academia and food industry.

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**MEDIA PARTNER**

newfood

*(information correct at time of printing)*
RME2016

RME2016 is the 11th in a series of successful conferences dedicated to the rapid detection of biological and chemical contaminants, with a focus on food, feed and water. This 11th edition will also include new developments in the animal and human diagnostic field.

The RME conference series aims to further strengthen the academia-industry relations and disseminate advanced research towards practical applications. Conference topics include rapid methods for:

- microorganisms (bacteria, viruses, protozoa, parasites)
- chemical contaminants
- substances of emerging concern
- mycotoxins and plant toxins
- allergens
- GMOs
- pesticide and veterinary drug residues
- waterborne organisms (algae, fish, plants, etc.)
- nanoparticles
- authenticity, adulteration and fraud
- forensic identification

Parallel to the conference a commercial exhibition presenting equipment, products and services related to rapid microbial and chemical detection will be organised.

As a comprehensive overview, RME2016 offers an excellent way to network and to share ideas providing a reference source for anyone wishing to gain insight into the latest developments in rapid microbial and chemical detection.

ADVISORY COMMITTEE

- Dr. Aart van Amerongen
  BioSensing & Diagnostics, Wageningen University & Research, the Netherlands
- Dr. Daniel Barug
  Bastiaanse Communication, the Netherlands
- Dr. Helen Bridle
  Heriot Watt University, UK
- Prof.dr. Sarah De Saeger
  Ghent University, Belgium
- Hans Dijk
  Scienion AG, Germany
- Bram van der Gaag
  Benten Water Solutions, the Netherlands
- Dr. Gerrit Keizer
  Thermo Fisher Scientific, the Netherlands
- Dr. Esther Kok
  RIKILT Wageningen University & Research, the Netherlands
- Dr. Petr Kralik
  Veterinary Research Institute, Czech Republic
- Dr. Kitty Maassen
  National Institute for Public Health and the Environment, the Netherlands
- Prof.dr. Richard O’Kennedy
  Dublin City University, Ireland
- Prof.dr. Arben Merkoçi
  Catalan Institute of Nanoscience and Nanotechnology, Spain
- Dr. Bert Popping
  Mérieux NutriSciences, France
- Dr. Michele Suman
  Barilla, Italy
- Prof.dr. Ibtisam E. Tothill
  Cranfield University, UK
- Prof.dr. Mieke Uyttendaele
  Ghent University, Belgium
- Dr. Anatoly Zherdev
  A.N. Bach Institute of Biochemistry, Russia

www.RapidMethods.eu
# Rapid View of the Programme

## Monday 7 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Opening of RME2016</td>
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<tr>
<td>09:15 – 09:45</td>
<td>Keynote lecture</td>
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<tr>
<td>09:45 – 12:45</td>
<td><strong>Plenary Meeting</strong>&lt;br&gt;Rapid analytical and diagnostic methods – what’s up?</td>
</tr>
<tr>
<td>12:45 – 13:45</td>
<td>Lunch break &amp; poster viewing</td>
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<tr>
<td>13:45 – 15:45</td>
<td><strong>Plenary Meeting</strong>&lt;br&gt;Rapid analytical and diagnostic methods – what further?</td>
</tr>
<tr>
<td>15:45 – 16:15</td>
<td>Networking break &amp; poster viewing</td>
</tr>
<tr>
<td>16:15 – 17:00</td>
<td><strong>Lightning Talks</strong>&lt;br&gt;Short presentations by exhibitors</td>
</tr>
<tr>
<td>17:00 – 18:00</td>
<td>Workshops – Round I</td>
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<tr>
<td>18:00 – 19:30</td>
<td>RME’s Lounge Party</td>
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## Tuesday 8 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30 – 12:45</td>
<td><strong>Parallel Session 1</strong>&lt;br&gt;Food quality, authenticity and fraud – rapid and cost-effective approaches</td>
</tr>
<tr>
<td>12:45 – 14:00</td>
<td>Lunch break &amp; poster viewing&lt;br&gt;Workshops – Round II</td>
</tr>
<tr>
<td>14:00 – 18:00</td>
<td><strong>Parallel Session 2</strong>&lt;br&gt;Pathogenic and spoilage bacteria – rapid detection and identification</td>
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<td><strong>Parallel Session 3</strong>&lt;br&gt;Water quality: concentration versus deviation management</td>
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<td><strong>Parallel Session 4</strong>&lt;br&gt;Rapid methods for the detection of microorganisms in drinking water and water used for food preparation</td>
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<td><strong>Parallel Session 5</strong>&lt;br&gt;Rapid methods for animal and human diagnostics</td>
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<tr>
<td></td>
<td><strong>Parallel Session 6</strong>&lt;br&gt;Special presentations – various topics</td>
</tr>
<tr>
<td>18:00 – 19:00</td>
<td>Poster viewing &amp; drinks</td>
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<tr>
<td>20:15</td>
<td>Conference dinner (reservations only)</td>
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## Wednesday 9 November 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30 – 13:15</td>
<td><strong>Plenary Meeting</strong>&lt;br&gt;Rapid methods and platforms for food &amp; feed analysis</td>
</tr>
<tr>
<td>13:15</td>
<td>Closing of RME2016</td>
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</tbody>
</table>
CONFERENCE PROGRAMME

09:00 Opening of RME2016
Dr. Aart van Amerongen, BioSensing & Diagnostics, Wageningen University & Research, the Netherlands

09:15 Keynote lecture
Putting your finger on the problem: rapid and non-invasive drug testing from a single fingerprint
Dr. Melanie Bailey, Department of Chemistry, University of Surrey, UK and
Dr. Marcel de Puit, Netherlands Forensic Institute and Delft University of Technology, the Netherlands

PLENARY MEETING
Rapid analytical and diagnostic methods – what’s up?

Chair: Dr. Aart van Amerongen, BioSensing & Diagnostics, Wageningen University & Research, the Netherlands

09:45 Paper-based nanobiosensors: simple biosensing platforms compatible with smart phones
Prof.dr. Arben Merkoçi, Catalan Institute of Nanoscience and Nanotechnology, Spain

10:10 Innovations in DNA approaches
Dr. Esther Kok, RIKILT Wageningen University & Research, the Netherlands

10:35 What’s in my food? The use of next generation sequencing for food authenticity and safety
Dr. Hez Hird, Fera, UK

11:00 Networking break

11:30 Semiconductor sequencing – how an easy and fast workflow can make a difference to environmental and industrial research
Sylvie Van Loon, Thermo Fisher Scientific, Belgium

11:55 Metagenomic approaches to better understand microbial ecology and interaction in food fermentations
Prof.dr. Luca Cocolin, Department of Agricultural, Forest and Food Science, University of Turin, Italy

12:20 Metagenomic ventures into outer sequence space
Dr. Bas E Dutilh, Theoretical Biology and Bioinformatics, Utrecht University, the Netherlands

12:45 Lunch break
Exhibition & poster viewing

The RME conference series started as ‘Rapid Methods Europe’ in 2004. During the years, RME has strengthened its position as an important meeting point for academia and industry. RME provides a reference source for anyone interested in the developments in the shift from slower, traditional measurements to more rapid detection of biological and chemical contaminants.

The term ‘rapid’ is used variously in discussions of rapid methodology and instrumentation. It should be noted that ‘rapid’ is not a goal in itself. In addition to increased speed, rapid methods must also take account of other criteria such as sampling and sample preparation, multitarget screening, lower detection limits, accuracy and sensitivity, data analysis, total costs proportionate to the benefits, etc., eventually leading to methods best suited for use.
PLENARY MEETING
Rapid analytical and diagnostic methods – what further?

Chair: Prof.dr. Sarah De Saeger, Department of Bioanalysis, Ghent University, Belgium

13:45 Molecularly imprinted polymers: plastic antibody mimics for assays and sensors in food analysis
Prof.dr. Karsten Haupt, Institute of Enzyme and Cell Engineering, Compiègne University of Technology, France

14:05 Nucleic acid-based sensors for food safety and quality control
Dr. María Jesús Lobo Castañón, Department of Physical and Analytical Chemistry, University of Oviedo, Spain

14:25 A fibre optic platform for use in sensing chemical and microbiological water contamination
Dr. Matthew Partridge, Engineering Photonics Centre, Cranfield University, UK

14:45 Towards harmonisation of performance criteria for mycotoxin screening methods; the EU perspective
Dr. Veronica M.T. Lattanzio, Institute of Sciences of Food Production (ISPA-CNR), Italy

15:05 A decision support system (DSS) for unauthorised GMOs
Prof. dr. Marko Bohanec, Jožef Stefan Institute, Slovenia

15:25 The need to test weed: legalisation and safety testing of Cannabis in North America
Dr. Marcia Armstrong, QIAGEN Inc., USA

15:45 Networking break
Exhibition & poster viewing

16:15 Lightning talks
Short presentations by exhibitors to inspire the audience to visit their booths
(schedule correct at time of printing)
- From allergens to contaminants – ensuring the safety of food through routine use of LC-MS/MS
  Dr. Ashley Sage, AB Sciex, UK
- Bio-Rad’s real-time innovation for food safety
  Gerrit Dijkstra, Bio-Rad Laboratories, the Netherlands
- A step forward towards full microbiology lab automation
  Pieter Heyvaert, bioMérieux, France
- Certified reference material in microbiology
  Jvo Siegrist, Merck, Switzerland
- MP Biomedicals – the FastPrep® family
  Dr Christian Kopp, MP Biomedicals, France
- Rapid detection of Legionella pneumophila
  Dr. Hans-Anton Keserue, rqmicro AG, Switzerland

17:00 – 18:00
WORKSHOPS – ROUND I
- Meat ID(ea)s – Insights into routine meat ID testing – sponsored by QIAGEN
- Multi-analyte test development and commercial production – sponsored by SCIENION and BioSensing & Diagnostics, Wageningen University & Research
- Mycotoxin analysis in your hand – sponsored by R-Biopharm AG

18:00 – 19:30
RME’s Lounge Party
PARALLEL SESSION 1
Food quality, authenticity and fraud — rapid and cost-effective approaches

Food adulteration and contamination events occur with alarming regularity. The food industry is seeking rapid and user-friendly methods to detect food fraud and contamination. In this session, a variety of rapid technologies for application in various matrices will be presented.

Chairs: Dr. Michele Suman, Barilla, Italy & Dr. Bert Popping, Mérieux NutriSciences, France

08:30 Isothermal recombinase polymerase amplification for rapid detection of undeclared food ingredients
Dr. Miguel A. Pardo, Food Research Unit, AZTI-Tecnalia, Spain

08:50 Authentication of spices and herbs using spectroscopic fingerprinting techniques
Dr. Bettina Horn, Department Safety in the Food Chain, Federal Institute for Risk Assessment, Germany

09:10 ATR-FTIR spectroscopy applied to the characterisation of PDO wine vinegars
Dr. Diego Luis Garcia González, Instituto de la Grasa, CSIC, Spain

09:30 Developing rapid analysis methods in the spirits drink sector
Dr. Ian Goodall, The Scotch Whisky Research Institute, UK

09:50 Differences in thermal characteristics of edible oils using fast differential scanning calorimetry
Isis van Wetten, M.Sc., Xensor Integration, the Netherlands

10:10 Batting food fraud by NMR quantitative ingredient profiling
Prof. dr. Stephan Schwarzinger, Research Center for Bio-Macromolecules and Department of Biopolymers, University of Bayreuth, Germany

10:30 Networking break & exhibition

11:00 Authenticity is not a cheesy topic
Dr. Bert Popping, Mérieux NutriSciences Corporation, France

11:20 Rapid evaporative ionisation mass spectrometry (REIMS) for food authenticity testing
Dr. Sara Stead, Waters, UK

11:40 MALDI-ToF MS: a tool against meat fraud
Annegret Männig, Chemisches und Veterinäruntersuchungsamt Stuttgart, Germany

12:00 RAD sequencing for tobacco variety and consignment identification
Dr. Jianxin Shi, School of Life Science & Biotechnology, Shanghai Jiao Tong University, China

12:20 DNA metabarcoding for endangered species identification
Dr. Martijn Staats, RIKILT Wageningen University & Research, the Netherlands

12:45 Lunch break
Exhibition & poster viewing

WORKSHOPS – ROUND II
• Serological and molecular methods and their application in veterinary diagnostics and human medicine — sponsored by QIAGEN
• Multi-analyte test development and commercial production — sponsored by SCIENCE and BioSensing & Diagnostics, Wageningen University & Research
• Mycotoxin analysis in your hand — sponsored by R-Biopharm AG
### PARALLEL SESSION 2
Pathogenic and spoilage bacteria: rapid detection and identification

This session provides an insight into selected areas of advanced detection of pathogenic and spoilage bacteria in food and feed.

**Chair:** Prof.dr. Mieke Van Uytendaele, Department of Food Safety and Food Quality, Ghent University, Belgium

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Speaker</th>
<th>Institution</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Efficient DNA isolation from food and water samples for on-site methods</td>
<td>Dr. Björn Spilsberg</td>
<td>Department of Virology, Norwegian Veterinary Institute, Norway</td>
</tr>
<tr>
<td>08:50</td>
<td>Applicability and future challenges of fluorescence in situ hybridisation to detect bacterial pathogens in food</td>
<td>Dr. Alexander Rohde</td>
<td>Department of Biological Safety, Federal Institute for Risk Assessment, Germany</td>
</tr>
<tr>
<td>09:10</td>
<td>Real-time affinity sensors for the detection of <em>Campylobacter jejuni</em> in food samples</td>
<td>Prof.dr. Ibtisam Tothill</td>
<td>Biotechnology Centre, Cranfield University, UK</td>
</tr>
<tr>
<td>09:30</td>
<td>MALDI-ToF MS identification of spoilage and foodborne bacteria</td>
<td>Dr. Sabina Purkrtová</td>
<td>Department of Biochemistry and Microbiology, University of Chemistry and Technology, Czech Republic</td>
</tr>
<tr>
<td>09:50</td>
<td>Improved detection of EHEC/STEC strains in water and in food products</td>
<td>Prof. dr. Ulrich Dobrindt</td>
<td>Institute of Hygiene, University of Münster, Germany</td>
</tr>
<tr>
<td>10:10</td>
<td>Intelligent food packaging – emerging technologies</td>
<td>Dr. Mike Vanderroost</td>
<td>Department of Food Safety and Food Quality, Ghent University, Belgium</td>
</tr>
<tr>
<td>10:30</td>
<td>Networking break</td>
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PARALLEL SESSION 3
Water quality: concentration versus deviation management

Online water quality monitoring will be more and more based on deviation instead of concentration measurements. A couple of technological and legislative developments supporting this alteration will be presented and discussed. These and comparable developments will be the building blocks of future water quality monitoring strategies.

Chair: Bram van der Gaag, Benten Water Solutions, the Netherlands

11:00 Chair’s introduction

11:05 EIP-Water Action Group ‘Real Time Water Quality Monitoring’: revision of water-related European Directives
Dr. Sergio de Campos, Adasa, Spain

11:25 The online water quality sensors and monitors compendium: from database to community platform
Dr. Leo Carswell, WRc, UK

11:45 A novel, optical, on-line bacteria sensor for monitoring drinking water quality
Dr. Bo Højris, Grundfos, Denmark

12:05 Spot on water quality: using hyperspectral field instruments for real-time surface water monitoring
Hans Wouters, M.Sc., BlueLeg Monitor, the Netherlands

12:25 Validation of monitoring technologies through the European Environmental Technology Verification programme
Dr. Corina Carpentier, Benten Water Solutions, the Netherlands

12:45 Lunch break
Exhibition & poster viewing

WORKSHOPS – ROUND II

- Serological and molecular methods and their application in veterinary diagnostics and human medicine — sponsored by QIAGEN
- Multi-analyte test development and commercial production — sponsored by SCIENION and BioSensing & Diagnostics, Wageningen University & Research
- Mycotoxin analysis in your hand — sponsored by R-Biopharm AG
PARALLEL SESSION 4
Rapid methods for the detection of microorganisms in drinking water and water used for food preparation

The Aquavalens consortium is developing sustainable technologies to enable water system managers whether in large or small water systems or within food growers or manufacturers to better control the safety of their water supplies.

Chair: Dr. Helen Bridle, Heriot Watt University, UK

14:00 New microbiology testing methods for the water industry – a brief introduction to the EU project Aquavalens
Prof.dr. Paul Hunter, Norwich Medical School, University of East Anglia, UK

14:05 Sample processing to maximise recovery rates
Anna Charlotte Schultz, Division of Food Microbiology, National Food Institute (DTU Food), Denmark

14:25 Molecular quantification of waterborne pathogens: from real-time PCR to NGS-based methodologies
Prof.dr. Manfred Höfl e, Department Vaccinology and Applied Microbiology Helmholtz Centre for Infection Research, Germany

14:45 Development of source tracking approaches
Prof.dr. Dr. Anicet R. Blanch, Department of Microbiology, University of Barcelona, Spain

15:05 From research to qPCR kit development and validation
Dr. Antonio Martinez-Murcia, Genetic PCR Solutions, Spain

15:25 Online monitoring of enzyme activity of microorganisms as quality tool for food and water analysis
Joep Appels, microLAN, the Netherlands

15:45 Automated sampling and/or detection systems for safe drinking water
Prof.dr. Marc Desmulliez, School of Engineering and Physical Sciences, Heriot-Watt University, UK

16:05 Networking break

16:30 Panel discussion – how to take forward the technology

17:00 – 18:00
Aquavalens vendor demonstrations

18:00 – 19:00
Poster viewing & drinks

20:15 Conference dinner
**PARALLEL SESSION 5**

*Rapid methods for animal and human diagnostics*

Rapid methods for animal and human diagnostics are being developed parallel to those for food & feed safety and water quality. We must observe what others do and learn from each other, taking and adapting from each other what suits best.

**Chairs:** Dr. Gerrit Keizer, Thermo Fisher Scientific, the Netherlands

**14:00** Species specific recognition of bacterial pathogens using targeted antibody design  
Dr. Chris Johnson, Institute of Cellular Medicine, Medical School, Newcastle University, UK

**14:20** Lab-on-chip devices for diagnosis of animal health-related bacterial infections  
Dr. Verónica Romão, Magnomics, Portugal

**14:40** The application of resonant coil technology for food safety  
Prof.dr. Richard Luxton, Institute of Bio-Sensing Technology, University of the West of England, UK

**15:00** Multi-serology via microarray  
Dr. Sylvia Pingen, Field Station for Epidemiology, University of Veterinary Medicine Hannover, Germany

**15:20** Acoustic force spectroscopy: molecular sensing with sound  
Prof.dr. Gijs Wuite, Department of Physics and Astronomy, VU University Amsterdam, the Netherlands

**15:40** Amplification-free electrochemical biosensor platform for rapid antimicrobial resistance testing at point-of-care  
Dr. Holger Schulze, Division of Infection and Pathway Medicine, Edinburgh Medical School, The University of Edinburgh, UK

**16:00** Networking break & exhibition

**16:30** A rapid procedure of PCR and a microarray lateral flow test for detection of antibiotic resistance genes  
Dr. Aart van Amerongen, BioSensing & Diagnostics, Wageningen University & Research, the Netherlands

**16:50** Crossing ‘borders’: diagnostics in food allergies and food allergens testing  
Dr. Ronald Niemeijer, R-Biopharm AG, Germany

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**PARALLEL SESSION 6**

*Special presentations – various topics*

**Chair:** Dr. Kitty Maassen, National Institute for Public Health and the Environment, the Netherlands

**Recently launched project:**

**17:10** METROFOOD-RI: a new research infrastructure to improve measurement reliability and promote scientific cooperation and data sharing  
Dr. Claudia Zoani, Casaccia Research Centre, ENEA, Italy

**Speed presentations:**

**17:30** Short presentations (6 minutes) by selected poster presenters to provide an overview of their research and to inspire the audience to visit their posters.

**18:00 – 19:00**  
Poster viewing & drinks

**20:15** Conference dinner
PLENARY MEETING
Rapid methods and platforms for food & feed analysis

Advanced technologies provide many opportunities for improved detection of contaminants in food and feed. What's going on?

Chairs: Prof.dr. Richard O’Kennedy, School of Biotechnology, Dublin City University, Ireland
       Prof.dr. Arben Merkoçi, Catalan Institute of Nanoscience and Nanotechnology, Spain

08:30 Multiplex droplet digital PCR for quantification of EU-authorised GMOs
Alexandra Bogožalec Košir, M.Sc., Department of Biotechnology and Systems Biology, National Institute of Biology, Slovenia

08:50 Innovative approaches to identify unauthorised GMOs
Alfred Arulandhu, M.Sc., RIKILT Wageningen University & Research, the Netherlands

09:10 Digital PCR systems – a comparison
Dr. Litao Yang, School of Life Science & Biotechnology, Shanghai Jiaotong University, China

09:30 The SYMPHONY project: integrated systems for aflatoxin detection in milk
Dr. Henk Leeuwis, LioniX BV, the Netherlands

09:50 Comparison of CG and the innovative QDs as label for multiplex screening for the detection of four mycotoxins
Astrid Foubert, Department of Bioanalysis, Ghent University, Belgium

10:10 Exploiting quantum dots for sensitive and straightforward detection in immunochromatographic strip tests
Prof.dr. Laura Anfossi, Department of Chemistry, University of Turin, Italy

10:30 Networking break & exhibition

11:00 Nanobodies-based immunoassays and biosensors for small molecules
Dr. Zhen-Lin Xu, Guangdong Provincial Key Laboratory of Food Quality and Safety, South China Agricultural University, China

11:20 Sensor development for milk allergens detection
Dr. Roberta D’Aurelio, Biomedical Diagnostics Group, Cranfield University, UK

11:40 Reflective phantom interface: real-time, multiparameter biosensing in complex media
Prof. Marco Buscaglia, ProXentia and Department of Medical Biotechnology and Translational Medicine, University of Milan, Italy

12:00 The ongoing development of single cell MALDI-ToF, new horizons
Dr. Gerold de Valk, BiosparQ, the Netherlands

12:20 An automated centrifugal microfluidic platform for on-site applications
Dr. David Kinahan, School of Physical Sciences, Dublin City University, Ireland

12:40 Future developments of single molecule sequencing
Dr. Grégory Schneider, Supramolecular & Biomaterials Chemistry, Leiden Institute of Chemistry, the Netherlands

13:00 Chairs’ summary & closing remarks

13:15 Closing of RME2016
WORKSHOPS

Monday 7 November, 17:00 – 18:00
Meat ID(ea)s – Insights into routine meat ID testing (Monday 7 November)
Sponsored by QIAGEN and presented by Dr. Marcia Armstrong, QIAGEN Inc., USA and
Dr. Wolfgang Hauser, ifp Institut für Produktqualität, Germany

Three years after the horsemeat scandal the reliable identification and quantification of different meat types
in food samples is still a diagnostic challenge for food safety testing laboratories. The broad variety of meat
products and their grade of processing causes issues around standardisation and accuracy of testing methods.
PCR has been selected as a method of choice for this application. In this workshop, we would like to discuss
from a user perspective the use and usefulness of real time PCR based meat ID testing in a routine testing
environment.

Tuesday 8 November 2016, 12:45 – 13:45
Serological and molecular methods and their application
in veterinary diagnostics and human medicine (Tuesday 8 November)
Sponsored by QIAGEN and presented by Dr. Elizabeth G. Homer, QIAGEN Ltd., UK

QIAGEN offers a wide range of diagnostic solutions for molecular biological and serological testing in human
and veterinary medicine. By supporting the reliable identification of poultry and livestock diseases, QIAGEN’s
products for veterinary diagnostics and disease investigation help protect human and animal health as well as
the environment and the food chain. The workshop will address selected practical examples in order to provide
a brief insight into current methods and procedures as well as new possibilities in serological and molecular
diagnostics. Attention will also be paid to the acceptance of new, innovative techniques.

Monday 7 November, 17:00 – 18:00 & Tuesday 8 November, 12:45 – 13:45
Multi-analyte test development and commercial production
Sponsored by SCIENION and BioSensing & Diagnostics (BSD), Wageningen University & Research, and presented by
Hans Dijk, SCIENION, Germany, and Dr. Aart van Amerongen and Marjo Koets, BSD, Wageningen University & Research, the Netherlands

SCIENION is a leading supplier of quality instrumentation and services for low volume liquid handling. The
group BioSensing & Diagnostics (BSD) from Wageningen University & Research develops rapid, simple and/or
microarray (immuno)assay formats. The workshop will give an overview of the current innovation in diagnost-
testing, encompassing new, multi-analyte technologies and approaches to diagnostics with a focus on
the actual test production. The workshop will cover basic test concepts in molecular diagnostics, assay design,
validation, standards and QC, and an update on various assay formats and equipment (how to choose the
right arrayer in your situation). SCIENION and BSD will share their vision on the future of rapid test diagn-
stics such as in microarraying, multi-analyte testing, automation and quantitative data analysis. There will
be an opportunity to explore innovative solutions to current test manufacturing, ranging from lateral flow
based test-strips to multi-analyte and miniaturised ELISA formats. The workshop objective is to discuss the
practical implementation of multi-analyte tests and the evaluation of field test and laboratory use of these
technologies. Time will be set aside for open discussion, debate and the formation of collaborations. SCIENION
and BSD aim to facilitate an environment in which all involved in test manufacturing and diagnostics can
learn from each other and share information and experiences.

Monday 7 November, 17:00 – 18:00 & Tuesday 8 November, 12:45 – 13:45
Mycotoxin analysis in your hand
Sponsored by R-Biopharm AG and presented by Dr. Ronald Niemeijer, R-Biopharm AG, Germany

Mycotoxin contaminations of food and feed have a huge economic impact. Mycotoxins impose a risk to human
and animal health. Therefore, maximum limits have been established for many commodities. Legislations and
guidelines are implemented and enforced in most parts of the world. Since mycotoxins are natural occurring
toxins, they cannot be avoided. As a result, significant amounts of commodities are discarded or used for feed
or non-food applications at a lower sales price. Financial losses however go far beyond the value of the con-
taminated commodities and may actually affect the entire food production chain. Animal feed contaminated
with mycotoxins may cause production losses in livestock production and mycotoxins may cause significant
health costs. Mycotoxins contaminations of crops are unavoidable but mycotoxins can be managed. Good
agricultural and good manufacturing practices will help. Monitoring mycotoxin contaminations by testing is
necessary to verify the products will meet international regulations and guidelines. Yet, instead of testing
large numbers of end-products, a more pro-active approach would have many benefits. During the entire
process from field to food or feed critical steps can be identified to monitor mycotoxins. For this approach,
a mobile, easy to use tool to make quick, on-site decisions is essential. In this workshop, R-Biopharm will
present the next generation in rapid, on-site mycotoxin testing using lateral flow test and a smartphone
application.

**CALL FOR POSTER ABSTRACTS**

The Advisory Committee of RME2016 issues a call for poster abstracts. Particularly students are encouraged to submit abstracts.

**Submission deadline**
15 September 2016

**Notification of acceptance**
Not later than 1 October 2016

**Speed presentations**
A number of abstracts will be selected for 6-minute talks (‘speed presentations’) on Tuesday 8 November 2016 (Parallel session 6).

Conference topics include rapid methods for:
- microorganisms (bacteria, viruses, protozoa, parasites)
- chemical contaminants
- substances of emerging concern
- mycotoxins and plant toxins
- allergens
- GMOs
- pesticide and veterinary drug residues
- waterborne organisms (algae, fish, plants, etc.)
- nanoparticles
- authenticity, adulteration and fraud
- forensic identification

**Rules for submission**
Abstracts must be sent by email to: RME@bastiaanse-communication.com
- Abstracts must be submitted in English and shall not exceed 400 words.
- Abstracts will be accepted in Microsoft Word only.
- The Advisory Committee will determine whether the abstract will be accepted for a poster presentation.
- Submission of an abstract acknowledges the author’s acceptance for the abstract to be published in the book of abstracts.
- Presenting authors of abstracts must be registered and paid participants.

**Poster size**
Poster size: A0 portrait (841 mm x 1189 mm).
Appropriate means of affixing the poster to the poster board will be supplied on site.

**Poster presentation**
Posters will be displayed throughout the conference. Poster presenters are required to be present at their assigned boards on Tuesday 8 November 2016 at 18:00 – 19:00.
GENERAL INFORMATION

Website
The latest details of RME2016 can be found at the conference website:
www.RapidMethods.eu

Who should attend?
RME2016 is aimed at a wide range of scientists and technologists wishing to gain insight into the emerging field of rapid analytical and diagnostics methods. Attending the conference is an invaluable opportunity for laboratory managers and technicians, food safety and quality assurance/quality control managers, technical managers, industrial and water treatment operators, public administrators, and others interested in rapid detection of microbial and chemical contaminants.

How to register and book a hotel room?
For all relevant information on registration fees, on-line registration and hotel accommodation, please go to the conference website: www.RapidMethods.eu

Venue
The conference will be held in Hotel Casa 400, Amsterdam, the Netherlands. Thanks to the hotel’s unique location near the Amstel Station, the whole city is at your feet.

About Amsterdam
Amsterdam provides all you need for an unforgettable getaway. The 17th century historical atmosphere combined with the mentality of a modern metropolis creates a friendly and relaxed environment. The city has the highest museum density in the world and is home to cultural highlights, such as the Van Gogh Museum, Anne Frank House, Hermitage Amsterdam and the Rijksmuseum with Rembrandt’s world-famous Nightwatch. Other well-known places of interest in Amsterdam are the Palace on the Dam, the Artis Zoo, Jewish Historical Museum and the Rembrandt House.

Call for poster abstracts
Interested participants, particularly students, are strongly encouraged to submit poster abstracts by no later than 15 September 2016. A number of posters will be selected for 6-minute talks (‘speed presentations’). For more information, take a look inside this brochure or visit the conference website: www.RapidMethods.eu

Business opportunities
RME2016 offers various business opportunities, including:
• Sponsoring of the conference
  Benefit from excellent name recognition by sponsoring the conference. Sponsoring opportunities covering lunch, evening functions and conference programme material also exist.
• Exhibiting at the conference
  Gain valuable direct exposure! Parallel to the conference a commercial exhibition presenting equipment, products and services related to rapid microbial and chemical detection will be organised.

More information on the business opportunities can be found at the conference website:
www.RapidMethods.eu

Language
English will be the official language at RME2016.

It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers.