

FINAL ANNOUNCEMENT

**INTERNATIONAL CONFERENCE
MARKETPLACE
MATCHMAKING EVENT**

PROGRAMME AND REGISTRATION

***Rapid
Methods***
EUROPE 2008

**FOR FOOD AND FEED
SAFETY AND QUALITY**

21-23 JANUARY 2008

**NH CONFERENCE CENTRE LEEUWENHORST,
NOORDWIJKERHOUT, THE NETHERLANDS**

WELCOME

There is an ever-increasing need for rapid methods and instrumentation in the field of food and feed safety and quality. Faster results, higher productivity, lower costs and increased sensitivity are key words for all those professionally involved. Continuing developments in analytical techniques lead to the emergence of a wide range of new and dedicated rapid methods to complement the traditional methods. How to keep up with these developments?

- **Rapid Methods Europe** is a series of events dedicated to the latest developments in rapid methods and instrumentation for food and feed safety and quality. During the years it has strengthened its position as an important meeting point for science and industry.
- **Rapid Methods Europe** presents new and cutting-edge technologies, the two main topics being microbiology and contaminants detection.

- **Rapid Methods Europe 2008** features:

- **Plenary lectures & parallel sessions**

- **Reviews and case studies**

- **Contributed papers (oral presentations)**

The Advisory Committee particularly encourages the submission of contributed papers about the specific topic areas. All scientists working in the field of rapid testing research are invited to submit their most recent research papers to the conference.

- **Poster sessions**

- **Interactive workshops & demonstrations**

- **Spotlight presentations**

A special presentation facility for sponsors and exhibitors to promote their products in more detail.

- **Instrument & manufacturers exhibition**

- **Matchmaking event**

The best opportunity to meet companies and research institutes throughout Europe to identify possibilities for international R&D co-operation.

As a comprehensive overview **Rapid Methods Europe 2008** offers an excellent way to network and to share ideas, providing a reference source for anyone interested in the rapid determination of food and feed safety and quality.

ADVISORY COMMITTEE

Dr. Aart van Amerongen
Dr. Daniel Barug
Helena B. Bastiaanse, M.Sc.
Dr. Kitty Maassen
Dr. Bert Popping
Prof.dr. Sarah De Saeger

Wageningen University, Agrotechnology & Food Sciences Group, the Netherlands
Ranks Meel, the Netherlands
Bastiaanse Communication, the Netherlands
Wageningen University, Animal Sciences Group, the Netherlands
Eurofins Scientific Group, UK
Ghent University, Department of Bio-analysis, Belgium

PROGRAMME AT A GLANCE

Monday 21 January 2008

13.30 - 15.15	Plenary meeting <i>Setting the scene</i>		Instrument & manufacturers exhibition
15.45 - 17.15	Parallel session 1 <i>Microbiological contaminants</i>	Parallel session 2 <i>Chemical contaminants</i>	
17.15 - 19.00	Rapid Methods' Lounge Party		

Tuesday 22 January 2008

08.30 - 12.00	Parallel session 3 <i>Microbiological contaminants</i>	Parallel session 4 <i>Chemical contaminants</i>	Instrument & manufacturers exhibition
12.00 - 13.00	Contributed papers Poster presentations Workshops & demonstrations - Round I Matchmaking event - Part I		
13.30 - 17.00	Parallel session 5 <i>Microbiological contaminants</i>	Parallel session 6 <i>Food & feed quality</i>	
17.00 - 18.00	Contributed papers Poster presentations Workshops & demonstrations - Round II Matchmaking event - Part II		
20.00	Conference dinner (reservations only)		

Wednesday 23 January 2008

09.00 - 10.30	Parallel session 7 <i>Microbiological contaminants</i>	Parallel session 8 <i>Chemical contaminants</i>	Instrument & manufacturers exhibition
11.00 - 12.30	Plenary meeting <i>What does the future hold?</i>		

SECRETARIAT

Bastiaanse Communication
P.O. Box 179
NL - 3720 AD Bilthoven
the Netherlands
Tel. +31 30 2294247
Fax +31 30 2252910
RME@bastiaanse-communication.com
www.bastiaanse-communication.com

PROGRAMME

Monday 21 January 2008

13.30 Opening of Rapid Methods Europe 2008

PLENARY MEETING SETTING THE SCENE

Chair: Dr. Aart van Amerongen, *Wageningen University, Agrotechnology & Food Sciences Group, the Netherlands*

13.45 **Strategic considerations in choosing a rapid method: an industrial perspective**
Dr. John D. Marugg, *Nestlé Research Centre, Quality & Safety Department, Switzerland*

14.30 **Market research information regarding rapid testing**
Tom Weschler, *Strategic Consulting, Inc., USA*

15.15 Networking break / instrument & manufacturers exhibition

PARALLEL SESSION 1 MICROBIOLOGICAL CONTAMINANTS - GENERAL ASPECTS OF SAMPLING AND DETECTION

Chair: Dr. Aart van Amerongen, *Wageningen University, Agrotechnology & Food Sciences Group, the Netherlands*

15.45 **Sample preparation for rapid microbial analysis**
Prof.dr. Mieke van Uyttendaele, *Ghent University, Department of Food Safety and Food Quality, Belgium*

16.30 **Trends in rapid methods and automation in microbiology**
Dr. Chris Baylis, *CCFRA, Microbiological Methods Research Group, UK*

PARALLEL SESSION 2 CHEMICAL CONTAMINANTS - GENERAL ASPECTS OF SAMPLING AND DETECTION

Chair: Dr. Bert Popping, *Eurofins Scientific Group, UK*

15.45 **Sample preparation procedures for rapid laboratory analyses**
Prof.dr. Janusz Pawliszyn, *Waterloo University, Department of Chemistry, Canada*

16.30 **Rapid detection of multiple chemical contaminants**
Prof.dr. Chris Elliott, *Queen's University, Department of Veterinary Science, UK*

17.15 - 19.00 **Rapid Methods' Lounge Party**

PARALLEL SESSION 3
MICROBIOLOGICAL CONTAMINANTS

- Chair: Dr. Aart van Amerongen, *Wageningen University, Agrotechnology & Food Sciences Group, the Netherlands*
- 08.30 **How to successfully incorporate new detection technologies into the food industry value chain**
Dr. Sigrid Brynestad, *Det Norske Veritas, Research and Innovation Department, Norway*
- 09.00 **Pushing lateral flow to the limits: generating rapid, highly sensitive field tests suitable for food pathogen detection**
Dr. Brendan O'Farrell, *Diagnostic Consulting Network, USA*
- 09.30 **Rapid DNA detection of food pathogens on magneto-resistance biosensor**
Marjo Koets, *Philips Research, the Netherlands*
- 10.00 Networking break / instrument & manufacturers exhibition
- 10.30 **Pathogen detection: a perspective of biosensors vs. traditional methods**
Dr. Francisco Javier Del Campo, *National Centre of Microelectronics, Institute of Microelectronics of Barcelona, Spain*
- 11.00 **Application of impedance in the microbiological quality control of baby food**
Dr. Matthias Fischer, *Milupa, Germany*
- 11.30 **Disposable electrochemical genosensor for the rapid and simultaneous detection of foodborne pathogens**
Dr. Marco Mascini, *University of Florence, Department of Chemistry, Italy*

PARALLEL SESSION 4
CHEMICAL CONTAMINANTS

- Chair: Prof.dr. Sarah De Saeger, *Ghent University, Department of Bio-analysis, Belgium*
- 08.30 **On-line detection of chemical contaminants**
Dr. Ibtisam E. Tothill, *Cranfield University, Department Bioscience and Technology, UK*
- 09.00 **Rapid methods for determining migration of compounds from packaging materials**
Dr. Catherine Simoneau, *DG Joint Research Centre, Institute for Health and Consumer Protection, Italy*
- 09.30 **Bioanalytical platforms for residue analysis based on different transducer principles**
Dr. M.-Pilar Marco, *IIQAB-CSIC, Department of Biological Organic Chemistry, Spain*
- 10.00 Networking break / instrument & manufacturers exhibition
- 10.30 **Detection of the chemical adulterant melamine in pet food and other products**
Dr. Sonja Schittko, *Eurofins Analytik, Germany*
- 11.00 **Rapid screening for heavy metals in food and feed**
Prof.dr. Rolandas Meskys, *Institute of Biochemistry, Lithuania*
- 11.30 **Rapid identification of fungal metabolites using time-of-flight mass spectrometry**
Dr. Hamide Z. Şenyuva, *TÜBİTAK-ATAL, Turkey*

12.00 - 13.30 Lunch break

Schedule of activities during lunch break:

CONTRIBUTED PAPERS (ORAL PRESENTATIONS)

Rapid Methods Europe 2008 particularly encourages the submission of contributed papers about the specific topic areas. All scientists working in the field of rapid testing research are invited to submit their most recent research papers to the conference.

POSTER PRESENTATIONS

WORKSHOPS & DEMONSTRATIONS - ROUND I

See separate section of this brochure for details.

INSTRUMENT & MANUFACTURERS EXHIBITION

MATCHMAKING EVENT - PART I

The best opportunity to meet companies and research institutes throughout Europe to identify possibilities for international R&D co-operation.
See separate section of this brochure for details.

PARALLEL SESSION 5

MICROBIOLOGICAL CONTAMINANTS

Chair: Dr. Kitty Maassen, Wageningen University, Animal Sciences Group, the Netherlands

13.30 **Multiplex detection in the food production chain using xMAP technology**

Dr. Jan H.W. Bergervoet, Plant Research International, the Netherlands

14.00 **Rapid molecular detection of food- and waterborne diseases**

Prof.dr. Anja Boisen, Technical University of Denmark, Department of Micro- and Nanotechnology, Denmark

14.30 **Rapid detection of viruses: prospects and limitations**

Prof.dr. Rosa M. Pintó, University of Barcelona, Department of Microbiology, Spain

15.00 Networking break/instrument & manufacturers exhibition

15.30 **Use of a piezoelectric-excited millimeter-sized cantilever sensor to detect *Escherichia coli***

Prof.dr. Raj Mutharasan, Drexel University, Department of Chemical & Biological Engineering, USA

16.00 **Routine serotyping to pinpoint *Salmonella* in the food chain**

Ron van Santen, DSM Food Specialties, the Netherlands

16.30 **Calibrated biosensors for the rapid detection of pathogens in milk**

Dr. Holger Klapproth, University of Freiburg, Institute for Microsystem Technology, Germany

Tuesday 22 January 2008

PARALLEL SESSION 6
FOOD & FEED QUALITY

Chair: Dr. Bert Popping, Eurofins Scientific Group, UK

13.30 **Simple and rapid spectroscopic methods to address the molecular structure of food products**
Prof.dr. Eric Dufour, Enita Clermont, Food Quality and Economics Department, France

14.00 **Evaluation of PCR vs. ELISA for detection of various allergens in food**
Elisabeth Burgmaier-Thielert, Chemisches und Veterinäruntersuchungsamt Sigmaringen, Germany

14.30 **NASBA-based detection: a new tool for high-throughput GMO diagnostics in food and feedstuffs**
Dr. Dany Morisset, National Institute of Biology, Department of Biotechnology and Systems Biology, Slovenia

15.00 Networking break / instrument & manufacturers exhibition

15.30 **Rapid detection of feed quality: the 'artificial senses'**
Prof.dr. Federica Cheli, University of Milan, Department of Veterinary Sciences and Technologies for Food Safety, Italy

16.00 **Modern approaches for detection and species specific identification of meat and bone meal in feeds**
Dr. Christoph von Holst, DG Joint Research Centre, Institute for Reference Materials and Measurements, Belgium

16.30 **Quality improvement of agricultural crops by point of care monitoring**
Dr. Michel J.M. Ebskamp, Genetwister Technologies, the Netherlands

17.00 - 18.00

CONTRIBUTED PAPERS (ORAL PRESENTATIONS)

Rapid Methods Europe 2008 particularly encourages the submission of contributed papers about the specific topic areas. All scientists working in the field of rapid testing research are invited to submit their most recent research papers to the conference.

POSTER PRESENTATIONS

WORKSHOPS & DEMONSTRATIONS - ROUND II

See separate section of this brochure for details.

INSTRUMENT & MANUFACTURERS EXHIBITION

MATCHMAKING EVENT - PART II

The best opportunity to meet companies and research institutes throughout Europe to identify possibilities for international R&D co-operation.

See separate section of this brochure for details.

Wednesday 23 January 2008

PARALLEL SESSION 7
MICROBIOLOGICAL CONTAMINANTS

- Chair: Dr. Kitty Maassen, Wageningen University, Animal Sciences Group, the Netherlands
- 09.00 **A new bio-electrical method for pathogen detection in food and environmental samples**
Dr. Nader Pourmand, Stanford University, Department of Biochemistry, USA
- 09.30 **Rapid detection of the protozoan parasites *Cryptosporidium* and *Giardia* in food and water**
Prof.dr. Huw V. Smith, Scottish Parasite Diagnostic Laboratory, UK
- 10.00 **Rapid characterisation and identification of pathogens via Raman spectroscopic techniques**
Prof.dr. Jürgen Popp, Friedrich Schiller University, Institute of Physical Chemistry, Germany
- 10.30 Networking break/instrument & manufacturers exhibition

PARALLEL SESSION 8
CHEMICAL CONTAMINANTS

- Chair: Prof.dr. Sarah De Saeger, Ghent University, Department of Bio-analysis, Belgium
- 09.00 **New screening methods for rapid detection of toxic compounds in food**
Dr. William van Dongen, TNO Quality of Life, the Netherlands
- 09.30 **Recombinant antibodies, their advantages for use in rapid detection systems for food analysis**
Dr. Markus Vehniäinen, University of Turku, Department of Biochemistry and Food Chemistry, Finland
- 10.00 **Bio-hybrid chips for sensing toxins against a complex chemical background**
Dr. Klaus-Peter Zauner, University of Southampton, School of Electronics and Computer Science, UK
- 10.30 Networking break / instrument & manufacturers exhibition

PLENARY MEETING
WHAT DOES THE FUTURE HOLD?

- Chair: Dr. Bert Popping, Eurofins Scientific Group, UK
- 11.00 **Vision solutions for the food and beverage industry**
Dr. Rick H.J. van de Zedde, M.Sc., Greenvision, the Netherlands
- 11.45 **Nanotechnologies for food safety and quality applications**
Tim Harper, Cientifica, UK
- 12.30 **Closing of Rapid Methods Europe 2008**

MATCHMAKING EVENT

Tuesday 22 January 2008

12.00 - 13.00

MATCHMAKING EVENT - PART I

17.00 - 18.00

MATCHMAKING EVENT - PART II

Matchmaking

The best opportunity to meet companies and research institutes throughout Europe to identify possibilities for international R&D co-operation.

The development of new rapid detection techniques for food and feed diagnostics requires interaction between many stakeholders like the primary sector, food and feed producing companies, retailers, biotech companies, ICT companies, equipment manufacturers and government bodies. A prerequisite for the effective development of the required diagnostic systems meeting the criteria of all the stakeholders, is that companies from the different areas are able to find one another and identify interesting partners for co-operation.

Purpose

The purpose of this matchmaking event is to create a meeting point for technology co-operation. It will offer companies and research organisations a forum to effectively meet and discuss with the parties, which are of interest in the area of food and feed diagnostics. The event will be tailor made with a programme consisting of one-to-one meetings with pre-matched partners.

Theme

The matchmaking event will focus on R&D collaboration in food and feed diagnostics.

Registration

Interested parties can fill in their organisation profile on the back of the Conference Registration Form, or on-line at www.bastiaanse-communication.com, in which they:

- describe their company (main activities, type of organisation, area of expertise, size of organisation, experience in international R&D co-operation);
- describe possible project ideas; and
- describe the profile of potential partners (type of organisation, area of expertise).

The organisation profiles will be published in an on-line catalogue on the website of

Rapid Methods Europe 2008. These profiles serve as a tool for a careful pre-matching process, which will bring together potential partners with the same objectives and complementary expertise.

Registration for the matchmaking event can be submitted until 15 December 2007. As from this date the registered parties will be invited to indicate those persons they would like to meet. Individual bilateral meetings will be booked in advance. Each participant in the matchmaking event will receive an individual meeting schedule. The final programme will be co-ordinated by the Secretariat of **Rapid Methods Europe 2008**.

WORKSHOPS & DEMONSTRATIONS

(at time of printing)

For the latest details, see www.bastiaanse-communication.com

Tuesday 22 January 2008

12.00 - 13.00

WORKSHOPS ROUND I

17.00 - 18.00

WORKSHOPS ROUND II

WORKSHOP 1

RAPID TESTS FOR VITAMIN DETECTION

Sponsored and presented by R-Biopharm AG.

R-Biopharm offers a wide range of analytical test kits for food and feed analysis and clinical diagnostics.

An increasing number of food products is enriched with vitamins. The vitamin content is monitored by manufacturers and control authorities to check compliance with labelling regulation. The gold standard in vitamin analytic was and is still the microbiological method. R-Biopharm presents a system of water soluble B-vitamin determination which is rapid, easy-to-use and based on AOAC, EN and DIN reference methods. The VitaFast[®] test kits are ideal for routine analysis since the reagents contained in the kit are ready to use and the kit is very user-friendly. We further present you the EASI-EXTRACT[®] Vitamin B₁₂ immunoaffinity column, which allows the determination of both natural vitamin B₁₂ and added cyanocobalamin in food.

Part I: Presentation of analytical methods of vitamin determination

Introduction and comparison with microbiological methods
Sample preparation and advantages of the VitaFast[®] products

Part II: Practical demonstration

Demonstration of VitaFast[®] Vitamin tests and the EASI-EXTRACT[®] Vitamin B₁₂ immunoaffinity columns

WORKSHOP 2

RAPID TEST PRODUCTION TECHNIQUES

Sponsored and presented by Biodot Ltd.

Biodot is the established world leader in the supply of equipment for the development and manufacture of rapid tests and biosensors.

Part I: Short presentation

Presentation of dispensing platforms with details of the different dispenser options along with their dispensing characteristics
Lamination of the test components and cutting of laminate into sticks
An overall view of lateral flow test production and at which stage Biodot equipment is used

Part II: Equipment demonstration

Equipment demonstration, dispensing, lamination and cutting
(bring your own reagents and materials for a quick and dirty trial)

WORKSHOP 3

MICROVAL VALIDATION AND CERTIFICATION OF RAPID METHODS

Presented by MicroVal Secretariat.

MicroVal's organisation of validation and certification is based on an independent European structure consisting of: (i) an impartial European Board of Experts: MicroVal General Committee with all stakeholders represented, their primary focus being the development and maintenance of the MicroVal validation and certification system; (ii) MicroVal Certification Body group, open for participation by EU certification bodies; (iii) a neutral MicroVal Secretariat managed by a Standardization Institute not involved in certification activities; and (iv) European network of expert laboratories, reviewers and auditors.

Part I: **The MicroVal organization**

Why start Eureka MicroVal
MicroVal, a balanced organisation
European and international perspective
Costs
Current activities

Part II: **Certification process**

MicroVal Certification Body - Introduction Lloyd's Register QA
Certification process
Audit scheme
Experience with first certifications

Part III: **Validation process**

MicroVal Expert Laboratory - Introduction RIKILT, one of the MicroVal expert laboratories
Validation process
EN ISO 16140 validation: what's involved
Experiences with first validations

WORKSHOP 4

DEVELOPMENT OF RAPID ASSAYS FOR THE VETERINARIAN, AGRICULTURAL AND HUMAN DIAGNOSTIC FIELDS

Presented by Wageningen University and Research Centre.

As an international knowledge-based organisation Wageningen University and Research Centre (Wageningen UR) carries out research throughout the knowledge chain in the fields of life sciences and natural resources. Research comprises fundamental as well as applied research. Within the different specialized research institutes of Wageningen UR a broad variety of technologies are used to develop and validate assays for clients. In addition, the development of customer-defined applications as well as the development of new innovative technologies are also part of the working area. Many diagnostic tools have already been developed in close collaboration with industrial partners. Strategic investments ensure the maintenance of strong intellectual property (IP) positions in the veterinarian, agricultural and human diagnostic fields.

In this workshop a brief introduction of some innovative technologies currently under study, including some practical demonstrations, will be given.

Part I: **Technologies and their possibilities**

Wageningen UR is developing assays for, e.g., biosensor technology, xMAP technology, electric chips, lateral flow, DNA and protein microarrays

Part II: **Practical demonstration**

Several technologies will be demonstrated

GENERAL INFORMATION

WHO SHOULD ATTEND?

RAPID METHODS EUROPE 2008 is aimed at a wide range of scientists and technologists wishing to gain insight into rapid methods for food and feed safety and quality. Attendance will be invaluable for analysts, technical managers, laboratory managers, food safety and quality assurance/quality control managers.

REGISTRATION FEE AND DISCOUNTS

The registration fees for RAPID METHODS EUROPE 2008 include Rapid Method's Lounge Party, lunch and coffee/tea as announced in the timetable, and the book of abstracts. The registration fees do not include hotel accommodation. On Tuesday evening 22 January 2008 a conference dinner will be organised; reservations can be made on the Conference Registration Form. Please note: dinner tickets cannot be bought on site.

Full registration fee:

EUR 845.- (19% VAT exclusive)

Discounted registration fee:

EUR 650.- (19% VAT exclusive)
for participants from universities

Special registration fee:

Every paying participant may be accompanied by one participant for a special registration fee of EUR 395.- (19% VAT exclusive) provided that the following conditions are met:

- the paying participant and the accompanying participant are employed with the same company/organisation at the same location; and
- the paying participant and the accompanying participant register and pay at the same time.

REGISTRATION

To register for RAPID METHODS EUROPE 2008 please fax or send the enclosed Conference Registration Form to the Secretariat.

The registration desk will open on Monday 21 January 2008 at 10.30 a.m.

VENUE AND

HOTEL ACCOMMODATION

RAPID METHODS EUROPE 2008 will take place at the NH Leeuwenhorst Conference Centre and Hotel located in Noordwijkerhout in the countryside of the western part of the Netherlands. The conference centre is close to the cities Amsterdam and The Hague, and approximately 20 minutes from Amsterdam Airport Schiphol.

Participants are responsible for making their own room reservations by using the enclosed Hotel Accommodation Form, which should be faxed or sent to the Secretariat.

CALL FOR ABSTRACTS

RAPID METHODS EUROPE 2008 issues a call for abstracts, inviting the submission of abstracts to two categories:

- call for contributed papers (oral presentation);
- call for posters.

Interested participants are strongly encouraged to submit one-page abstracts for papers and posters not later than 15 December 2007. The members of the Advisory Committee will evaluate the abstracts and inform the participants of the form in which their presentation will be included in the conference programme (i.e., oral presentation or poster) not later than 31 December 2007.

SECRETARIAT

Bastiaanse Communication

P.O. Box 179

NL - 3720 AD Bilthoven

the Netherlands

Tel. +31 30 2294247

Fax +31 30 2252910

RME@bastiaanse-communication.com

www.bastiaanse-communication.com

BUSINESS OPPORTUNITIES

The following business opportunities exist at RAPID METHODS EUROPE 2008:

Exhibition: Parallel to the conference a commercial exhibition will be organised in which presentations of equipment, products and services related to rapid methodology are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks. Companies having an exhibition stand are given the opportunity for 'spotlight presentations' and/or *workshops & demonstrations* on Tuesday 22 January 2008.

Sponsoring: Sponsoring opportunities covering lunch, evening functions and conference programme material also exist.

Companies and organisations interested in having an exhibition stand RAPID METHODS EUROPE 2008 are invited to contact the Secretariat.

MATCHMAKING EVENT

RAPID METHODS EUROPE 2008 organises a matchmaking event, the best opportunity to meet companies and research institutes throughout Europe to identify possibilities for international R&D co-operation. See separate section of this brochure for details.

INTERNET

The latest programme details of RAPID METHODS EUROPE 2008 can be found at:
www.bastiaanse-communication.com

LANGUAGE

English will be the official language at RAPID METHODS EUROPE 2008.

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.