

**FINAL ANNOUNCEMENT
PROGRAMME AND REGISTRATION**

**INTERNATIONAL
CONFERENCE AND
MARKETPLACE**

***Rapid
Methods*
EUROPE 2005**

**FOR FOOD AND
FEED QUALITY
DETERMINATION**

24-25 MAY 2005

**GRAND HOTEL HUIS TER DUIN,
NOORDWIJK AAN ZEE, THE NETHERLANDS**

WWW.RM-EVENTS.COM

Welcome

Rapid Methods Europe is the leading conference & exhibit series dedicated to rapid methods and instrumentation of interest to the food and feed industry. There is an ever-increasing need for rapid methods and instrumentation in the field of food and feed quality. Developments in analytical techniques have led to the emergence of a wide range of rapid methods to complement the traditional methods. Faster results, higher productivity, lower costs and increased sensitivity are key words for all those professionally involved. How to keep up with the developments?

Rapid Methods Europe 2005 is aimed at the latest developments in rapid methods and instrumentation for food and feed quality determination, presenting:

- an information packed conference programme offering the very latest news
- a marketplace/exhibit providing information on rapid methods and instrumental methods in use or becoming commercially available
- a spotlight presentations theatre covering a wide range of topics including case studies, practical demonstrations and industry updates.

As a comprehensive overview **Rapid Methods Europe 2005** 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 quality.

ORGANISING COMMITTEE

Dr. Aart van Amerongen	<i>Agrotechnology & Food Innovations (A&F), the Netherlands</i>
Dr. Daniel Barug	<i>Ranks Meel, the Netherlands</i>
Helena B. Bastiaanse	<i>Bastiaanse Communication, the Netherlands</i>
Margreet Lauwaars	<i>EC-DG JRC Institute for Reference Materials and Measurements (IRMM), Belgium</i>
Dr. Bert Popping	<i>Eurofins Scientific Group, UK</i>

CONFERENCE SECRETARIAT

Bastiaanse Communication

P.O. Box 179

NL-3720 AD Bilthoven

the Netherlands

T + 31 30 229 42 47

F + 31 30 225 29 10

RME@bastiaanse-communication.com

www.bastiaanse-communication.com

www.RM-Events.com

Rapid Methods EUROPE 2005

08.30 Opening of Rapid Methods Europe 2005

PLENARY MEETING

NEW RAPID TECHNOLOGIES

There is an ever-increasing need for rapid technologies in the field of food and feed quality determination. An overview of still-developing techniques and emerging technologies, which will change your world, will be presented.

Chair: Dr. Bert Popping
Eurofins Scientific Group, UK

08.45 **Lab-on-a-chip systems**
Dr. Han J.G.E. Gardeniers
University of Twente, Institute for Nanotechnology, the Netherlands

09.15 **Nanosensors identifying food quality**
Dr. Weihong Tan
University of Florida, Department of Chemistry, USA

09.45 **Electronic sensing: food and feed applications**
Prof.dr. Naresh Magan
Cranfield University, Institute of Bioscience and Technology, UK

10.15 Coffee/tea break

10.45 **Magnetic biosensors**
Dr. Menno W.J. Prins
Philips Research, Integrated Device Technologies, the Netherlands

11.15 **Genomics in microbial food quality: rapid access to the essence**
Dr. Jos M.B.M. van der Vossen
TNO Quality of Life, the Netherlands

11.45 **Applied genomics: towards rapid and reliable intrinsic quality prediction in fresh food chains**
Dr. Monique van Wordragen
Agrotechnology & Food Innovations (A&F), the Netherlands

12.15 **Proteome and metabolome analyses: rapid authentication of food and feed components**
Dr. Seetharaman Vaidyanathan
University of Manchester, School of Chemistry, UK

12.45 **Buffet lunch, exhibition and poster presentations**

TUESDAY 24 MAY 2005

SESSION 1

RAPID TESTING OF FOOD AND NUTRITIONAL QUALITY

With the increasing need to monitor processes at many stages and to show due diligence in the control of food and nutritional quality, there is also a need to generate fast and accurate analysis results. This session will focus on modern techniques covering their application and limitations.

Chair: Margreet Lauwaars
EC-DG JRC Institute for Reference Materials and Measurements (IRMM), Belgium

14.00 **Application of spectral analysis to food quality monitoring**
Dr. Pierre Dardenne
Centre wallon de Recherches agronomiques (CRA-W), Quality Department, Belgium

14.30 **New developments in analytical tools to measure nutritional quality**
Prof.dr. Colin H. Self
University of Newcastle upon Tyne, School of Clinical and Laboratory Sciences, UK

15.00 **Rapid identification of plant and animal species in foods**
Dr. Hermann Broll
Federal Institute for Risk Assessment (BfR), Germany

15.30 Coffee/tea break

16.00 **Rapid and predictable method to assess carbohydrate and protein quality of food and feed**
Dr. Rob Havenaar
TNO Quality of Life, the Netherlands

16.30 **Rapid quality monitoring of packaging material**
Dr. Alexander Gurlo
Eberhard-Karls-Universität, Institute of Physical and Theoretical Chemistry, Germany

17.00-18.30 SPOTLIGHT PRESENTATIONS THEATRE

A special presentation facility for exhibitors to promote their equipment and products in more detail. For the latest details, see www.RM-Events.com

17.00-18.30 Rapid Test Workshop

Whatman/Schleicher & Schuell and BioDot are offering a practical 90-minute workshop on the development and manufacture of Membrane Rapid Tests. Whatman/Schleicher & Schuell is a major supplier of high quality nitrocellulose membranes and papers used in lateral flow, flow-through and dipstick immunoassay formats. BioDot is a market leader in the supply of equipment and technology for the manufacture of rapid tests and biosensors.

Flow-through and lateral flow immunoassays have gained a major role in medical, veterinary and environmental testing and have much to offer for rapid QC monitoring of food and feedstuffs. The workshop will present an immunodiagnostic device platform giving consistent, fast and accurate results with emphasis on the particular challenges of food sample presentation. We will explain the step by step building of a rapid assay combining the right components, reagents and equipment and provide a hands-on demonstration of the production process from raw materials to finished test stick. For highly specific tests a simple and fast DNA preparation technology will be presented together with biosensors and other emerging rapid test formats.

20.30 Conference dinner

SESSION 2

RAPID TESTING OF QUALITY DETERIORATION AND SPOILAGE

Food and feed are subject to varying degrees of (micro)biological, chemical and physical deterioration during storage. A range of technologies with potential use to achieve rapid results for food quality determination, will be presented.

Chair: Dr. Aart van Amerongen
Agrotechnology & Food Innovations (A&F), the Netherlands

08.45 **Rapid detection of microbial food spoilage**
Dr. David I. Ellis
University of Manchester, School of Chemistry, UK

09.15 **Rapid analytical tools for measuring oxidation in food**
Dr. Marina Heinonen
University of Helsinki, Department of Applied Chemistry and Microbiology, Finland (invited)

09.45 **Electronic nose technology for detecting taints and off-flavours**
Dr. John-Erik Haugen
Norwegian Institute for Food Research (MATFORSK), Norway

10.15 Coffee/tea break

10.45 **PCR for the detection and identification of live spoilage organisms**
Dr. Karin M.D. Pawlowsky
Brewing Research International, UK

11.15 **Application of a rapid analytical technique for the determination of oxidation stability in food development**
Dr. Paola Maiocchi
Velp Scientifica, Italy

11.45-12.30 **SPOTLIGHT PRESENTATIONS THEATRE**

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12.30 Buffet lunch, exhibition and poster presentations

WEDNESDAY 25 MAY 2005

SESSION 3

RAPID TESTING OF AUTHENTICITY AND ADULTERATION

The authenticity of foods is an important and an essential attribute. Many foods traded in Europe are classified according to their region of production, traditional method of production for the unique ingredients they contain. But how to detect rapidly and reliably authenticity and/or adulteration?

Chair: Dr. Michèle Lees
Eurofins Scientific Analytics, France

08.45 **DNA-based techniques used for authenticity and adulteration testing**

Dr. Bert Popping
Eurofins Scientific Group, UK

09.15 **Immunoassay techniques to detect adulteration**

Prof.dr. Christopher Smith
University College Chester, Department of Biological Sciences, UK

09.45 **Rapid detection of species adulteration in milk and dairy products**

Dr. Francesco Addeo
National Research Council, Institute for Food Science and Technology, Italy (invited)

10.15 Coffee/tea break

10.45 **Rapid testing for authenticity of (olive) oils**

Dr. Ramon Aparicio
Spanish Council for Scientific Research, Instituto de la Grasa, Spain

11.15 **Real-time PCR for meat quantification**

Dr. Hez Hird
Central Science Laboratory, UK

11.45-12.30 **SPOTLIGHT PRESENTATIONS THEATRE**

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12.30 Buffet lunch, exhibition and poster presentations

RAPID TESTING AND QUALITY TRACKING & TRACING

Quality tracking & tracing does not only establish the identity and location of products, but also their quality and history in relation to parameters such as temperature, relative humidity, ingredients, production circumstances. The quality of products followed in this manner, can be predicted along in the chain at any given moment.

Chair: Prof.dr. Brigitte Petersen
University of Bonn, Department Preventive Health Management, Germany

- 14.00** **Quality tracking & tracing: an overview**
Dr. Robert Madge
European Association for Sure & Secure Identification (IDtrack), Spain
- 14.30** **Quality tracking & tracing: technology**
Dr. Floor Verdenius
Agrotechnology & Food Innovations (A&F), the Netherlands
- 15.00** **Quality tracking & tracing: application**
Dr. Claude Mabilat
bioMérieux, France
- 15.30** **Industrial vision on tracking & tracing and rapid methods**
Dr. Rodolphe de Borchgrave
Arcadia International, Belgium
- 16.00** **Scientific vision on tracking & tracing and rapid methods**
Prof.dr. Jack van der Vorst
Wageningen University and Research Centre, the Netherlands
- 16.30** Closing Rapid Methods Europe 2005
- 16.45** End of conference

WHO SHOULD ATTEND?

Rapid Methods Europe 2005 – the international conference and marketplace – is aimed at a wide range of scientist and technologists wishing to gain insight into rapid methods for food and feed quality determination. Attendance will be invaluable for analysts, technical managers, laboratory managers, food safety and quality assurance/quality control managers.

CONFERENCE FEE AND DISCOUNTS

Conference fee:

- EUR 795.- (19% VAT exclusive), paid by 30 April 2005
- EUR 900.- (19% VAT exclusive), paid after 30 April 2005

Reduced conference fee:

For participants from universities, non-industrial research organisations and governments

- EUR 695.- (19% VAT exclusive), paid by 30 April 2005
- EUR 800.- (19% VAT exclusive), paid after 30 April 2005

SPECIAL CONFERENCE FEE

Every paying participant may be accompanied by one participant for a special conference fee of EUR 225.- (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.

The conference fees include lunches and coffee/tea as announced in the timetable, and the book of abstracts. The conference fees do not include hotel accommodation.

On Tuesday evening 24 May 2005 a conference dinner will be organised; reservations can be made on the Registration Form.

REGISTRATION

To register for **Rapid Methods Europe 2005** – the international conference and marketplace – please fax or send the enclosed Registration Form to the Conference Secretariat. The registration desk will open on Monday 23 May 2005 at 4.00 p.m.

HOTEL ACCOMMODATION

Participants are responsible for making their own reservations by sending the enclosed Hotel Accommodation Form to Grand Hotel Huis ter Duin directly. The Grand Hotel is holding a block of rooms at a reduced rate for participants.

Participants arriving at Amsterdam Schiphol Airport and staying at Grand Hotel Huis ter Duin may benefit from the Rapid-transport package at EUR 60.- per person, including:

- welcome at the airport's Meeting Point;
- return transfer from and to Amsterdam Schiphol Airport, at the following transfer times:

Monday 23 May 2005

Amsterdam Schiphol Airport – Grand Hotel Huis ter Duin departure 16.00 h or 19.00 h

Wednesday 25 May 2005

Grand Hotel Huis ter Duin – Amsterdam Schiphol Airport departure 17.00 h or 18.00 h

- transportation needs to be reserved at least 24 hours in advance;
- changes or cancellations need to be done in writing at least 3 days in advance;
- charges will be booked on your room account.

Other transport requests can also be arranged by Grand Hotel Huis ter Duin (via the internet) and will be charged according the regular transport tariffs (approx. EUR 70, one-way).

A list of alternative hotels is available for budget conscious attendees. Note that these hotels may have fewer services than Grand Hotel Huis ter Duin.

CALL FOR POSTERS

Interested participants are invited to submit one-page abstracts for posters by no later than 30 April 2005.

The members of the Organising Committee will evaluate the abstracts.

EXHIBITION/SPONSORSHIP

Parallel to the conference a marketplace/exhibit will be organised in which companies can present equipment and products related to rapid methods. Conference participants have ample opportunity to visit the exhibition during the various breaks. See insert for more information on becoming an exhibitor and/or a corporate supporter.

SPOTLIGHT PRESENTATIONS THEATRE

An exhibitor can give an oral presentation at the spotlight presentations theatre. See insert for more information.

COMPANY WORKSHOP

Companies interested in organising a workshop at the conference are invited to contact the Conference Secretariat.

WEBSITE

The latest details of Rapid Methods Europe 2005 – the international conference and marketplace – can be found on www.RM-Events.com.

LANGUAGE

English will be the official conference language.

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.

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Bastiaanse Communication

P.O. Box 179

NL - 3720 AD Bilthoven, the Netherlands

T +31 30 2294247

F +31 30 2252910

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