

Objective

The workshop will focus on DNA-analytical techniques, protein-based methods, and the application of molecular biology methods for traceability in food.

State of the art technologies as well as future aspects of the traceability measurement using molecular methods will be dealt with.

Programme

Thursday, December 18th

13:00–13:15 *Registration*

13:15–13:30

Welcome address

Prof. Dr. Reiner Wittkowski, Federal Institute for Risk Assessment (BfR), Berlin

13:30–13:50

Traceability and the TRACE project

Paul Brereton, Central Science Laboratory, York

13:50–14:10

Species origin methods of food products

Hermann Broll, Joint Research Centre of the European Commission, Brussels

14:10–14:30

Biosensors: a new approach for quality safety by genetic fingerprints

Christina Cordes, ttz, Bremerhaven

14:30–15:00 *Coffee break*

TOPIC 1: DNA-analytical techniques

Chairperson: Hermann Broll, Joint Research Centre of the European Commission, Ispra

15:00–15:30

DNA extraction from different matrices

Dr. Peter Brodmann, State Laboratory of the Canton, Basel-Stadt

15:30–16:00

PCR techniques used for traceability

Dr. Miguel Angel Pardo, AZTI-Tecnalia, Derio

16:00–16:30

AFLP, Microsatellites, SNP

Dr. Riccardo Negrini, Catholic University of S. Cuore (UNICATT), Piacenza

16:30–17:00

Microarrays – a tool for control purposes?

Dr. Marc van den Bulcke, Scientific Institute of Public Health (IPH), Brussels

17:00–17:30

Development of a multiplex traceability tool for cereals

Dr. Theo W. Prins, Institute of Food Safety (RIKILT), Wageningen

Discussion

Potential for implementation in routine testing, reliability, validation and standardization

Friday, December 19th

TOPIC 2: Protein-based methods

Chairperson: Prof. Dr. Dr. Alfonso Lampen, Federal Institute for Risk Assessment (BfR), Berlin

09:00–09:30

2DE, MALDI-TOF

Prof. Dr. Christopher Gerner, Medical University of Vienna, Vienna

09:30–10:00

DNA-analytical vs. protein-based methods for the detection of animal species in feeding stuff – View from the NRL for the detection of animal protein in feeding staff

Prof. Dr. Dr. Alfonso Lampen, Federal Institute for Risk Assessment (BfR), Berlin

10:00–10:30 *Coffee break*

10:30–11:00

Quick tests

Dr. Wolfgang Weber, Institut für Produktqualität, Berlin

TOPIC 3: Application of molecular biology methods

Chairperson: Dr. Klaus Pietsch, State Institute for Chemical and Veterinary Analyses, Freiburg

11:00–11:20

GMO detection – future challenges

Andreas Wurz, Eurofins, Freiburg

11:20–11:40

Validated methods for plant and animal species differentiation

Dr. Andreas Pardigol, Eurofins, Nantes

11:40–12:00

Process depending traceability: 'organic vs. conventional farming'

Dr. Alain Maquet, Joint Research Centre of the European Commission, Geel

12:00–12:30

Application in food control agencies

Dr. Manuela Schulze, State Food Laboratory, Braunschweig

12:30–13:30 *Lunch*

13:30–14:30

Round table:

- **Lessons learnt from TRACE project**
- **Future needs**
- **National and international collaboration**

About BfR

The Federal Institute for Risk Assessment (BfR) is the scientific body of the Federal Republic of Germany that prepares expert reports and opinions on questions of food safety and consumer health protection on the basis of internationally recognised scientific assessment criteria. The Federal Institute for Risk Assessment does its own research on subjects which are closely linked to its assessment tasks.

Apart from this role, the BfR initiates and conducts research within the field of food traceability in the European context as well as on national level. It is actively involved in method validation for the purpose of food authenticity and traceability. The BfR is organising and performing national and international collaborative studies in order to establish robust and validated traceability tools for all kinds of food/feed products and commodities.

Further information can be found here:
<http://www.bfr.bund.de>

The audience

The workshop is addressed to scientists and regulators in the area of authenticity and traceability with the specific focus on modern molecular biological techniques used to determine the composition and origin of food and feed products. It will cover all recent developments in the field of molecular biology ranging from PCR to micro array detection as well as covering protein specific analysis tools. The workshop will also be aimed to partners from other EC projects dealing with molecular biology topics.

Venue

Federal Institute for Risk Assessment (BfR)
 Marienfelde – Auditorium
 Diedersdorfer Weg 1, 12277 Berlin



Accommodation

There are rooms at special rates available at:

Best Western Premier, Hotel Steglitz International
 Albrechtstraße 2
 12165 Berlin (Steglitz)
 Phone: +49 30 79005-0
 FAX: +49 30 79005 50

Please note that the hotel reservation must be done by yourself directly at the hotel **using the code TRACE**.

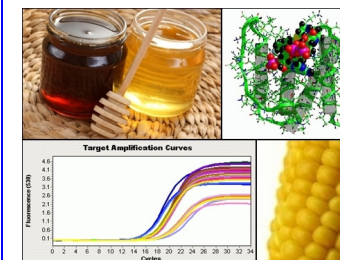
Registration

Participation at the workshop is free and includes attendance at the workshop. Registration is needed.

Registration has to be done using the code **TRACE** by sending an e-mail to veranstaltungen@bfr.bund.de or FAX +49 30 84122984.

Deadline for registration: December 12th, 2008

Molecular Biology Methods for Traceability Purposes



TRACE project
 dissemination workshop

December 18th–19th, 2008
 Berlin, Germany

