INTERNATIONAL CONFERENCE

GMO ANALYSIS AND NEW GENOMIC TECHNIQUES

14-16 MARCH 2023
BERLIN, GERMANY

GMO Analysis And New Genomic Techniques
14–16 March 2023, at the Langenbeck-Virchow-Haus
Luisenstraße 58/59, 10117 Berlin

Day 1: 14 March 2023

12:00 am Registration

1:30 pm Opening by representatives of the organizing institutions (BMEL; BVL; JKI; BfR; SCBD)

2:00 pm **Session 1 – Detection and identification of "classical" GMO and NGT products – Status and challenges**

Keynote lecture: Achievements and future perspectives of GMO detection
Guy Van den Eede, EC-JRC

NGT products and "classical" GM crops placed on the market and in the pipeline
Emilio Rodríguez Cerezo, EC-JRC

Analytical strategies for detection and identification of GMO
Malcolm Burns, LGC-Group, UK

Identification of known/unknown classical GMO and NGT products/ reference materials
Alexandra Ribarits, AGES, AT

6:00–8:00 pm **Welcome cocktail in Langenbeck Virchow Foyer**

Federal Ministry of Food and Agriculture

European Commission

Federal Office of Consumer Protection and Food Safety

JKI Julius Kühn-Institut

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Day 2: 15 March 2023

9:00 am   **Session 2 - Detection of NGT products - Analytical methods**

Analytical methods for the detection of NGT products
Raymond Shillito, BASF, US

Example of targeted methods (PCR, amplicon NGS)
Margit Ross, Corteva Agriscience, US

11:00–11:30 am   **Coffee break**

11:30 am   **Session 3 - Requirements for the Identification of NGT products**

Challenges for the detection and identification of NGT products
Sławomir Sowa, PBAI-NRI, PL

Evaluation of methods for the unequivocal identification of the single-mutations derived from NGT
Patrick Gürtler, LGL Oberschleißheim, DE

1:00–2:00 pm   **Lunch break**

2:00 pm   **Session 4 - Detection of "classical" GMOs - Analytical methods**

Update targeted methods (PCR, NGS)
Frederic Debode, CRA-W, BE

Update on the detection of GM seeds and stacked events methods
Reona Takabatake, Food Research Institute, JP

Routine analysis of GMO in food and feed
Frank Narendja, EAA, AT

Detection of unauthorised GMO
Fabrice Touzain, ANSES, FR

4:00 - 4:30 pm   **Coffee break**

4:00 pm   **Poster Session and gathering**

6:00 pm   **End of day 2**

6:30 pm   **Historical guided tour over the campus of Charité Berlin-Mitte**
Limited places available, please sign in during registration on day 1

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Day 3: 16 March 2023

9:00 am **Session 5 - Regional networks: experiences gained in various regions**

Examples of national/regional networks on GMO analysis

Dabing Zhang, Shanghai Jiao Tong University, CN
Christopher Viljoen, School of Biomedical Sciences Human Molecular, ZA
Prof. Dr. Le Huy Ham, Institute of Agricultural Genetics, VN
María Guadalupe Barrera Andrade, Senasica, MX

10:30–11:00 am **Coffee break**

11:00 am **Session 6 – Global information sharing**

BCH Database
Austein McLoughlin, SCBD, CA

EC-JRC/EURL-GMFF database
Laura Bonfini, EC-JRC

EUginius database
Theo Prins, Wageningen Food Safety Research, NL

The CropLife International Detection Methods Database
Sonia Herrero, Syngenta, US

1:00–2:00 pm **Lunch break**

2:00 pm **Session 7 – Alternative approaches for GMO traceability**

Alternative strategies for GMO traceability using Blockchain technology
Inácio Henrique Yano, Embrapa, BR

Alternative strategies for GMO traceability
Jenny Teufel, Institute for Applied Ecology, DE

3:00 pm **Panel discussion - Future needs detection/identification/harmonisation/capacity-building**

4:00 pm **Closing of the conference**

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