

WMF Meets IUPAC

Session 1

Tuesday, November 6,

08:30-12:30



Program Session 1

TUESDAY 6 NOVEMBER 2012

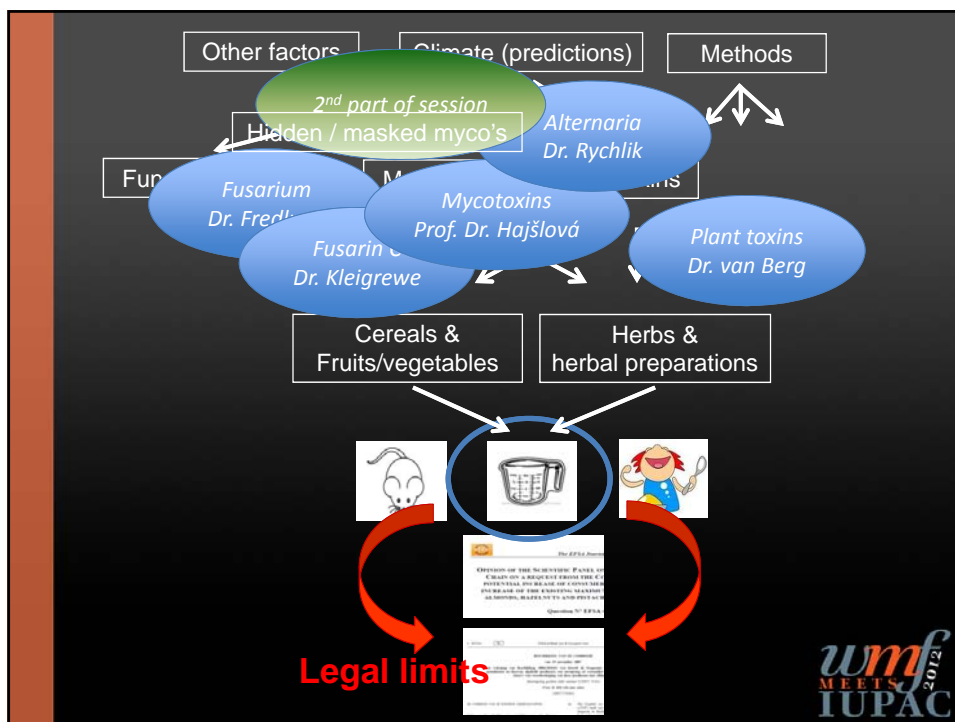
PARALLEL SESSION 1

Emerging toxins and new occurrence data

Chair: Dr. Monique de Nijs, RIKILT - Institute of Food Safety, the Netherlands
Dr. Franz Berthiller, Department IFA - Tulln, BOKU Vienna, Austria

- 08.30 *Introduction* - Dr. Monique de Nijs
- 08.40 *Fusarium species and their toxins in Swedish wheat and oats* - Dr. Elisabeth Fredlund
- 09.00 *New insights in the rearrangement mechanisms of the Fusarium mycotoxin fusarin C and its analogues and their occurrence in food and feed* – Dr. Karin Kleigrewe
- 09.20 *Emerging plant toxins in herbal products and food supplements* – Ir. Suzanne van den Berg
- 09.40 *Mycotoxins in dietary supplements: hidden health risk for consumers?* - Prof. Dr. Jana Hajšlová
- 10.00 **Networking break (sponsored by Olmix) & exhibition**
- 10.30 *Alternaria toxins: occurrence and analytical developments* - Dr. Michael Rychlik
- 10.50 *Summary* - Dr. Monique de Nijs
- 10.55 – 12:30 *Introduction on masked mycotoxins by Dr. Franz Berthiller and program*





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- 08.40 Dr. Elisabeth Fredlund - *Fusarium species and their toxins in Swedish wheat and oats*
- 09.00 Dr. Karin Kleigrew - *New insights in the rearrangement mechanisms of the Fusarium mycotoxin fusarin C and its analogues and their occurrence in food and feed*
- 09.20 Ir. Suzanne van den Berg - *Emerging plant toxins in herbal products and food supplements*
- 09.40 Prof. Dr. Jana Hajšlová - *Mycotoxins in dietary supplements: hidden health risk for consumers?*
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- 10.30 Dr. Michael Rychlik - *Alternaria toxins: occurrence and analytical developments*

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Summary part 1

- Newest analytical techniques give more insight in the occurrence of (known) mycotoxins like fusarin C and *Alternaria* toxins (Dr. Kleigrewe & Dr. Rychlik)
- More data on occurrence of known mycotoxins become available:
 - Fusarin C occurs in common cereal foods (Dr. Kleigrewe)
 - *Alternaria* toxins in fruits and vegetables, specifically tomato (Dr. Rychlik)
 - Large variations in *Fusarium* species and mycotoxins (Dr. Fredlund)
- Emerging toxins & and matrix combinations:
 - High levels of T-2/HT-2 toxin in herbal preparations (Prof. Dr. Hajšlová)
 - Plant toxin may increase human burden with toxic metabolites (Dr. van den Berg)

Continuous need for occurrence data to support decision making



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Chair: Dr. Franz Berthiller, Department IFA-Tulln, BOKU Vienna, Austria

- 10.55 *Introduction on masked mycotoxins by Dr. Franz Berthiller and program*
- 11.05 *The role of ILSI Europe in natural toxins: what is the impact of masked mycotoxins?* - Dr. Gerrit Speijers, General Health Effects, Toxicology and Safety of Food, the Netherlands
- 11.25 *Occurrence of masked mycotoxins* - Dr. Chiara Dall'Asta, University of Parma, Italy
- 11.45 *Analytical strategies for masked mycotoxin detection* - Prof.dr. Sarah De Saeger, Ghent University, Belgium
- 12.05 *Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats* - Veronika Nagl, BOKU Vienna, Department IFA-Tulln, Austria
- 12.25 *Summary by Dr. Franz Berthiller*
- 12.30 *Lunch break*

Workshops & poster viewing

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