Final Announcement

June 7-8, 2016

The World Plant Toxin Forum®

The 2nd Conference

Poisonous plants and their toxins: new global challenges?

www.PlantToxinForum.org

Winnipeg Canada
Plants contain a large number of biologically active metabolites. Some of these have been found to be extremely useful for treating various human and animal diseases. However, some plant constituents produce adverse human and animal health effects following exposure. These so-called plant toxins occur abundantly in, for example, aromatic plants used as food ingredients, scents and flavors, and traditional herbal medicines.

The World Plant Toxin Forum fills a gap in the plant toxin field by providing a unique platform for food and feed industry representatives as well as suppliers of botanicals to meet with people from universities and governments from around the world. The main objectives of The World Plant Toxin Forum are:

- to exchange information and experiences on the various aspects of poisonous plants and their toxins
- to review current knowledge related to plant toxins in food, feed and botanicals
- to discuss strategies for prevention and control of plant toxin contamination ensuring the safety and security of food, feed and botanicals supply
- to initiate approaches for the control of plant toxin contamination along the food, feed and botanicals supply chains.

The 2nd conference of The World Plant Toxin Forum will build on the success of the first edition held in Vienna, Austria (2014). The conference will be an excellent way to network and to share ideas. The General Conference Chairs Dr. Monique de Nijs and Dr. Jörg Stroka, and the members of the Advisory Committee are looking forward to meeting you in Winnipeg, Canada!

**ADVISORY COMMITTEE**

Dr. Monique de Nijs (chair)  
*RIKILT Wageningen UR, the Netherlands*

Dr. Jörg Stroka (co-chair)  
*Joint Research Centre, Institute for Reference Materials and Measurements, Belgium*

Prof.dr. Cristo Botha  
*University of Pretoria, South Africa*

Ms. Zoe Gillespie  
*Health Canada, Canada*

Dr. Leigh Henderson  
*Food Standards Australia New Zealand, New Zealand*

Dr. Kip Panter  
*Poisonous Plant Research Lab, U.S. Department of Agriculture, USA*
PROGRAM AT GLANCE

MONDAY, JUNE 6, 2016

17:30 Welcome reception sponsored by R-Biopharm

TUESDAY, JUNE 7, 2016

09:00 – 10:30 Session 1: Introduction
10:30 – 11:00 Networking break
11:00 – 12:30 Session 2: Occurrence of plant toxins
12:30 – 14:00 Lunch break
Poster viewing
14:00 – 15:30 Session 3: Toxicology of plant toxins
15:30 – 16:00 Networking break
16:00 – 17:30 Session 4: Analysis of plant toxins
17:30 Poster viewing
Wine tasting sponsored by Biomin and Romer Labs

WEDNESDAY, JUNE 8, 2016

08:30 – 10:00 Session 5: Risk assessment and management in the supply chain
10:00 – 10:30 Session 6: Speed presentations
10:30 – 11:00 Networking break
11:00 – 12:30 Session 7: Looking forward
12:30 End of conference
CONFERENCE PROGRAM

SESSION 1: INTRODUCTION

Chairs: Dr. Monique de Nijs, RIKILT Wageningen UR, the Netherlands
Dr. Joerg Stroka, EC Joint Research Centre, Institute for Reference Materials and Measurements, Belgium

09:00 Welcoming remarks

09:10 Poisonous plants and their toxins: setting the scene
Dr. Joerg Stroka, EC Joint Research Centre, Institute for Reference Materials and Measurements, Belgium

09:30 Current use of herbal products in North America
Dr. Joe Betz, U.S. National Institutes of Health, USA

10:00 Challenges faced by food regulators in Australia and New Zealand relating to plant toxins
Dr. Leigh Henderson, Food Standards Australia New Zealand, New Zealand

10:30 Networking break & exhibition

SESSION 2: OCCURRENCE OF PLANT TOXINS

Chair: Dr. Leigh Henderson, Food Standards Australia New Zealand, New Zealand

11:00 Plant toxins in the water environment
Dr. Bjarne W. Strobel, University of Copenhagen, Denmark

11:30 Pyrrolizidine alkaloids in our daily food: occurrence and food safety implications
Dr. Patrick Mulder, RIKILT Wageningen UR, the Netherlands

12:00 Pyrrolizidine alkaloids in honey, tea and herbs – occurrence and challenges for routine laboratories
Arne Dübecke, Quality Services International, Germany

12:30 Lunch break & exhibition
Poster viewing
SESSION 3: TOXICOLOGY OF PLANT TOXINS

Chair: Dr. Leigh Henderson, Food Standards Australia New Zealand, New Zealand

14:00  *Indigofera linnaei* – the Jekyll and Hyde of Australian pasture legumes  
Dr. Mary Fletcher, University of Queensland, Australia

14:30  Presence of the natural carcinogen ptaquiloside from bracken fern in food and drinking water – what is the evidence?  
Dr. Lars Holm Rasmussen, Metropolitan University College, Denmark

15:00  Coexposure: If one plant toxin is harmful to livestock, what about two?  
Dr. Kevin Welch, Poisonous Plant Research Lab, U.S. Department of Agriculture, USA

15:30  Networking break & exhibition

SESSION 4: ANALYSIS OF PLANT TOXINS

Chair: Dr. Leigh Henderson, Food Standards Australia New Zealand, New Zealand

16:00  Challenges in the analysis of tropane alkaloids in food  
Susan MacDonald, Fera, UK

16:30  Analysis of fluoroacetate in plants  
Dr. Stephen Lee, Poisonous Plant Research Lab, U.S. Department of Agriculture, USA

17:00  How reliable are current analytical methods to determine tropane alkaloids in food and tea infusions at levels of interest?  
Dr. Carlos Goncalves, EC Joint Research Centre, Institute for Reference Materials and Measurements, Belgium

17:30  Poster viewing

WINE TASTING  
Sponsored by Biomin and Romer labs
SESSION 5: RISK ASSESSMENT AND MANAGEMENT IN THE SUPPLY CHAIN

Chair: Dr. Kip Panter, Poisonous Plant Research Lab, U.S. Department of Agriculture, USA

08:30 Pyrrolizidine alkaloids in animal forage and impacts on feed safety
Dr. Christoph Gottschalk, Ludwig Maximilians University Munich, Germany

09:00 A New Zealand collaborative industry approach to manage and mitigate the risk of pyrrolizidine alkaloids in honey
Jane Lancaster, Catalyst Ltd., New Zealand

09:30 Pyrrolizidine alkaloids in natural products – a new and enormous challenge for the tea and herbal infusions industry
Maximilian Wittig, Tea & Herbal Infusions Europe (THIE), Germany

SESSION 6: SPEED PRESENTATIONS

Chair: Dr. Kip Panter, Poisonous Plant Research Lab, U.S. Department of Agriculture, USA

10:00 Short presentations by selected poster presenters to provide an overview of their research and inspire the audience to visit their posters

10:30 Networking break & exhibition

SESSION 7: LOOKING FORWARD

Chairs: Dr. Monique de Nijs, RIKILT Wageningen UR, the Netherlands
Dr. Joerg Stroka, EC Joint Research Centre, Institute for Reference Materials and Measurements, Belgium

11:00 Can unmanned aircraft systems reduce plant poisoning risk in livestock?
Prof.dr. Deon van der Merwe, Kansas State University, USA

11:30 The toxic challenge for plant breeders: good pest-resistance and nutritious food in the same crop
Prof.dr. Huw Jones, Aberystwyth University, UK

12:00 Poisonous plants and their toxins – new global challenges?
Overview and conclusions
Dr. Monique de Nijs, RIKILT Wageningen UR, the Netherlands

12:30 End of The World Plant Toxin Forum – 2nd conference
Website
The latest details of the 2nd conference of The World Plant Toxin Forum can be found at the conference’s website www.PlantToxinForum.org

Who should attend
The World Plant Toxin Forum is bringing together businesses and food/feed professionals in all stages of the agrifood chain, regulatory authorities and inspectors, consulting agencies and advisors, and science from all over the world.

Venue
The 2nd conference of The World Plant Toxin Forum will be held at the RBC Convention Centre, Winnipeg’s premier event facility. The facility is located in the centre of the city’s bustling downtown within walking distance to various hotels. The ground floor in the newly built South Building of the RBC Convention Centre will be the place hosting the conference.

Registration
Please go to the conference’s website www.PlantToxinForum.org for all information on registration fees and for on-line registration.

Hotel accommodation
All information on hotel accommodation can be found on the conference’s website www.PlantToxinForum.org
It is important to note that June is a very busy period in Winnipeg. Therefore, it is strongly advised to book your hotel early.

Business opportunities
The World Plant Toxin Forum offers various business opportunities, including:
* Sponsorship: Benefit from excellent name recognition by sponsoring the conference! Sponsoring opportunities covering lunch, evening functions and conference program material also exist.
* Exhibition: Gain valuable direct exposure! Parallel to the conference a commercial exhibition will be organized in which presentations of equipment, products and services related to plant toxins are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks.

More information on the business opportunities can be found at www.PlantToxinForum.org

Language
English will be the official conference language. No simultaneous interpretation will be provided.

It may be necessary for reasons beyond the control of the organizers to alter the content and timing of the program or the identity of the speakers.

Secretariat The World Plant Toxin Forum
Bastiaanse Communication
P.O. Box 179
3720 AD Bilthoven
the Netherlands
T +31 30 2294247

WPTF@bastiaanse-communication.com
www.PlantToxinForum.org
**DIAMOND SPONSOR**

R-Biopharm, Inc., USA – R-Biopharm, Germany – R-Biopharm Rhône Ltd., UK
Trilogy Analytical Laboratory, USA – Central Testing Laboratory Ltd., Canada

**GOLD SPONSORS**

Alltech, USA – Biomin, Austria – Romer Labs, Austria – Olmix, France

**SILVER SPONSOR**

Phileo Lesaffre Animal Care, France

**BRONZE SPONSORS**

Helica Biosystems, Inc., USA – MilliporeSigma, USA
EnviroLogix, Inc., USA – Vicam, A Waters Business, USA

**EXHIBITORS**

- Alltech, USA
- Biomin, Austria
- Central Testing Laboratory Ltd., Canada
- Charm Sciences, Inc., USA
- EnviroLogix, Inc., USA
- Eurofins Rapidust Analysis GmbH, Germany
- Helica Biosystems, Inc., USA
- Impextraco, Belgium
- MilliporeSigma, USA
- Neogen Corporation, USA
- Olmix, France
- Phileo Lesaffre Animal Care, France
- Randox Food Diagnostics, UK
- R-Biopharm, Inc., USA
- R-Biopharm, Germany
- R-Biopharm Rhône Ltd., UK
- Romer Labs, Austria
- Tecna, Italy
- Trilogy Analytical Laboratory, USA
- Vicam, A Waters Business, USA

**MEDIA PARTNERS**

All About Feed – New Food

**SUPPORTER**

RIKILT Wageningen UR