



**Joint Special Meeting of The Toxicology Forum/ Regulatory Governance Initiative  
Mycotoxins - unavoidable natural contaminants in staple crops:  
Public health and international trade**

September 18-19, 2013

1.5 days, Chateau Laurier, Ottawa, Ontario

**Importance of Session**

In June 2012, Carleton University hosted a meeting attracting over 200 academic, government and industry scientists, government officials and farming organizations from 27 countries to discuss the important problem of mycotoxins in food and feed. Although the focus was on the United States and Canada, the science is universal in its application and of global significance. This was the 5<sup>th</sup> meeting in a series initiated by a group based at the National Research Council of Italy (CNR). In Ottawa, presentations from grain millers, food companies, value chain managers and farmers suggested the need for better and more effective consultation on the regulation of mycotoxins because of their ever increasing economic, social and environmental importance.

In the 2012 crop year, aflatoxin and fumonisin contamination was a problem in US corn but highly variable even within counties. For the first time fumonisin was present in material concentrations in Ontario corn. The number of analyses being required for food has increased year over year placing stress on management of the supply chain. Regulations in Europe, particularly of aflatoxin and ochratoxin A are affecting the North American marketplace.

This meeting will discuss some of the recommendations from the June meeting which brought the best available science to the table in conjunction with an examination of risks and benefits of current strategies for managing mycotoxins.

[www.toxforum.org](http://www.toxforum.org)

<http://www.regulatorygovernance.ca/>



## Wednesday, September 18

7:00 Coffee

8:30 *Opening Remarks*

Welcome from Carleton University (TBD, Dr. David Longfellow, Toxicology Forum)

8:45 *Keynote Presentation*

Risk assessment of natural contaminants: from pragmatism to statistical models,  
Felicia Wu

### **Session I Regulatory studies of Mycotoxins: Hazard characterization**

Session Chair: Dr. Paul Howard

9:30 Regulatory Studies of mycotoxins: brief introduction

Paul Howard (US Food & Drug Administration)

9:40 New insights on the mechanisms of deoxynivalenol/DON glucoside

Jim Pestka (Michigan State University)

10:10 Coffee break

10:30 Ochratoxin: what critical new studies are needed?

Genevieve Bondy (Health Canada)

11:00 Fumonisin: the effect in humans from recent studies

Ron Riley (USDA, Agricultural Research Service)



11:30 Panel Discussion: Toxicology Informing Regulation

Session Chair: Dr. Paul Howard

Dr. Tine Kuiper-Goodman

Genevieve Bondy (Health Canada)

Speakers

12:30 Lunch

## **Session II Agri-Food Perspective**

Session Chair: Gordon Harrison

13:30 Mycotoxins- a farmer's perspective

Art Schaafsma (University of Guelph)

14:00 The challenge of compliance: commodities

Gerado Morantes (Cargill)

14:30 The challenge of compliance: a window into a small end user

Carrie Maune (Trilogy Laboratories)

15:00 Refreshment Break

15:30 Codex and mycotoxins: perspective on DON

Maia Jack, GMA

16:00 Mycotoxin surveillance studies

Mary Trucksess (University of Maryland)



16:30 Mycotoxins: perspective from the retail marketplace  
Susan Abel, Vice President, Food & Consumer Products of Canada

17:00 Panel Discussion: Value chain management of mycotoxins: what are the opportunities?  
Session Chair: Mr. Harrison  
John Cowan, Grain Farmers of Ontario  
Speakers

17:30 Reception

## **Thursday, September 19**

### **Session III Strategic Issues**

Session Chair: Ron Doering (Gowlings; Carleton University)

8:00 Breakfast

9:10 Climate variability & mycotoxins  
J. David Miller (Carleton University)

9:40 Mycotoxins in Food: An FDA Perspective  
Dr. Nega Beru (USFDA)

10:10 Coffee Break

10:40 Cost of compliance  
Don Sullins (ADM Milling Company)



11:10 Research directions for the decade to come

Michèle Marcott (Agriculture and Agri-Food Canada)

11:40 Panel Discussion: Going Forward- improving food safety in a changing world

Session Chair: Dr. Doering

Barbara Lee (Health Canada)

Henri Bietlot (Canadian Food Inspection Agency)

Speakers

13:00 End