

Mycotoxins & Phycotoxins

Gordon Research Conference

Understanding the Exposure and Global Health Risks Associated with Naturally Occurring Environmental Biotoxins in a Rapidly Changing World

Dates

June 18-23, 2017

Location

Stonehill College
Easton, MA

Organizers

Chairs:

Kathi A. Lefebvre & Paul Turner

Vice Chairs:

Allen R. Place & Isabelle P. Oswald

Application Deadline

Applications for this meeting must be submitted by **May 21, 2017**. Please apply early, as some meetings become oversubscribed (full) before this deadline. If the meeting is oversubscribed, it will be stated here. *Note:* Applications for oversubscribed meetings will only be considered by the Conference Chair if more seats become available due to cancellations.

Meeting Description

Mycotoxins and Phycotoxins are diverse and highly toxic compounds that naturally occur in the environment and frequently contaminate food, feeds and water on every continent. Climatic conditions are significant drivers of environmental contamination to both the fungal and the algal families of toxins. Thus a major concern is to understand and mitigate the public health and economic impacts, within this uncertain changing world. The 2017 Gordon Research Conference (GRC) on Mycotoxins and Phycotoxins will provide a forum for academic, government and private sector scientists to exchange ideas on harnessing advances in biology, chemistry, ecology, plant pathology, epidemiology and risk assessment to address the problems associated with occurrence of these natural toxins. This conference will bring together a wide range of outstanding senior scientists, early career and students to address the very practical task of ensuring the safety of food and water supplies. Podium presentations will include a mixture of established and junior scientists, with a view to establishing networks and ideas to understand and mitigate these complex threats. A critical component will be dedicated and guided discussions after each presentation, with discussion leaders recognized for their expertise in each particular area. Poster sessions will provide an opportunity for fertile cross-disciplinary interactions. The Gordon Research Seminar, immediately preceding the GRC, will be organized and conducted by graduate students and postdoctoral scientists from the many disciplines involved in advancing mycotoxin and phycotoxin research. Junior scientists will present their work in a formal, oral format and engage in discussion with their peers. The environment will be welcoming and collegial and will provide an unmatched opportunity for future researchers to interact with established scientists. Two leading students from this section will additionally present within the GRS.

Related Meeting



This GRC will be held in conjunction with the "**Mycotoxins & Phycotoxins**" Gordon Research Seminar (GRS). Those interested in attending both meetings must submit an application for the GRS in addition to an application for the GRC. Refer to the [associated GRS program page](#) for more

information.

Contributors



Preliminary Program

The topics and speakers for the conference sessions are displayed below (*italics denote discussion leaders*). The Conference Chair is currently developing their detailed program, which will include the complete meeting schedule, as well as the talk titles for all speakers. The detailed program will be available by **February 18, 2017**. Please check back for updates.

- **Keynote Session: Global Impacts of Mycotoxins and Phycotoxins**
(*Kathi Lefebvre, Paul Turner / Amare Ayalew / Gustaaf Hallegraef*)
- **Global Efforts in Monitoring, Mitigation and Forecasting of Biotoxin Prevalence**
(*Donald Anderson, Gary Payne / Michael Brosnahan / Zhiming Yu*)
- **Mode of Action of Mycotoxins and Phycotoxins**
(*Allen Place / Olivier Puel / Luis Botana / Romulo Araoz*)
- **Biotoxin Exposure Risks and Vulnerable Populations**
(*Lesley D'Anglada, Clare Narrod / Lynn Grattan / Alison Robertson*)
- **Increased Prevalence and Economic Impacts of Mycotoxins and Phycotoxins**
(*Flora Oluwafemi, Deepak Bhatnagar / Florence Richard-Forget / Vera Trainer*)
- **Challenges of Biotoxin Detection and Quantitation in Biological Matrices**
(*Betsy Jean Yakes / Philipp Hess / Katrina Campbell / Justin Renaud*)
- **Changing Exposure Risks and Health Impacts of Mycotoxins and Phycotoxins**
(*Rebecca Coleman / Todd Miller / Frances Gulland / Angel Medina-Vaya*)
- **Human Health and Early Developmental Effects of Biotoxin Exposure**
(*Lorraine Backer / Elizabeth Hilborn / Thomas Burbacher*)
- **Keynote Session: Biotoxin Challenges in Low and Middle Income Countries: Sustainable Solutions for Health and Food Security**
(*Isabelle Oswald / David Miller*)