



New Plant-Based Foods and Proteins from Novel Sources

Chair: Jason Dietz, US FDA CFSAN

Overview

The Society of Toxicology in conjunction with the US FDA Center for Food Safety and Applied Nutrition (CFSAN) have partnered to provide this colloquia series. The series presents scientific information that is high-quality, cutting-edge, future-oriented toxicological science to provide a well-grounded foundation to inform the work of US FDA employees. These webcasts are open to the public at no charge. These events are not a public forum for discussion of toxicology regulatory issues.

Plant-based foods and proteins from novel sources are gaining interest from food manufacturers and consumers. Consumers may see these products in the grocery store in the form of foods like plant-based burgers and sausages, egg substitutes and non-dairy frozen desserts, with more products reported to be under development. This colloquium will provide topical information about plant-based foods and the food use of proteins from novel sources. Topics examined will include the historical food use of proteins from novel sources and current trends regarding plant-based foods. The colloquium will explore why firms and consumers are interested in plant proteins and proteins from novel sources, the function of these proteins in food, and any food safety considerations associated with the use of these proteins. The future application of modern molecular techniques to produce proteins with desired food characteristics will also be discussed.

Schedule (All times are Eastern US, UTC -4)

- | | |
|-----------------|--|
| 9:00 AM–9:05 AM | Welcome
Dennis Keefe, OFAS Office Director, US FDA, CFSAN,
College Park, MD |
| 9:05 AM–9:10 AM | Overview and Speaker Introductions
Jason Dietz, Colloquium Chair, US FDA CFSAN, College
Park, MD |
| 9:10 AM–9:45 AM | Proteins in Our Diet from Novel Sources
Jeremiah Fasano, US FDA CFSAN, College Park, MD |

9:45 AM–10:20 AM	Functions and Appeal of Plant-Based Proteins and Novel Proteins Baraem (Pam) Ismail, University of Minnesota, Minneapolis, MN
10:20 AM–10:30 AM	Break
10:30 AM–11:05 AM	Future Developments in Plant-Based Foods Michael Leonard, Motif FoodWorks, Boston, MA
11:05 AM–11:40 AM	Safety Assessment Considerations for Proteins from Novel Sources Supratim Choudhuri, US FDA CFSAN, College Park, MD
11:40 AM–12:35 PM	Roundtable Discussion Moderator: Jason Dietz All speakers