

Academic Program

July 10th

Module 1

Bioactive compounds and their effect on the microbiota

- 1. Dietary Bioactive Compounds: The Gut Microbiota and Its Metabolic Effects**
María Puy Portillo, PhD Universidad del País Vasco, Spain.
- 2. Function and modulation of the intestinal epithelial barrier with Probiotics, Prebiotics and Synbiotics**
Luis G. Bermúdez Humaran, PhD University of France, France.
- 3. The effect of functional foods combination on the microbiota of people living with diabetes**
Isabel Medina, PhD Instituto Nacional de Pediatría, Mexico.
- 4. Bioactive Compounds: Growth and Aging**
Anika E. Wagner, PhD University of Giessen, Germany.

Module 2

Importance of nutrients in health and disease

- 5. Importance of calcium and vitamin D in children's growth**
Samantha L. Huey, PhD Cornell University, EUA.
- 6. Vitamin D signaling in the thymus: Implications for autoimmunity**
John H. White, PhD McGill University, Canada.
- 7. Effect of the type and concentration of dietary protein on the intestinal microbiota and its metabolic consequences**
Armando Roberto Tovar Palacio PhD, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico.
- 8. Gut Brain Axis in Aging and Cognitive Decline**
Nimbe Torres y Torres PhD, Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico.



July 11th

Module 3

Regulation of the immune system through the microbiota

- 9. Host-Microbiome Interaction in Health and Disease**
Eran Elinav, PhD Weizmann Institute of Science, Israel.
- 10. Importance of nutrition in immune defense. Role of yogurt and its natural components**
Rosa María Ortega Anta, PhD Universidad Complutense de Madrid, Spain.
- 11. Alteration of interactions between the microbiota and intestinal epithelium as a key factor in non-communicable diseases**
Mariana X. Byndloss, PhD Vanderbilt University, EUA.
- 12. Pharmacomicrobiomics in anticancer therapies and their relationship with the microbiota**
Silvia Turroni, PhD Bologna University, Italy.



Module 4

Culinary Nutrition: Key Nutrients in Children and the Elderly

- 13. Food Insecurity and Dietary Quality: Exploring why they are Important and Discovering how they are Related**
Heather A. Eicher-Miller, PhD, Purdue University, EUA.
- 14. Lunch Recipes**
 - Chef Gloria Zabalgoitia, Mexico.
 - Laura Alejandra Velázquez Villegas, PhD. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico.
 - Claudia Pimentel Hernández, PhD. Instituto Nacional de Pediatría, Mexico.
- 15. Recipes for the Elderly**
 - Chef Gloria Zabalgoitia, Mexico.
 - Sonia López Cisneros, PhD. Instituto Nacional de Geriátría, Mexico.
 - Aurora Serralde Zuñiga, PhD. Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico.



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