



Curriculum & Agenda

Hands-on Group Sessions

Wednesday afternoons will feature hands-on workshops focused on achievable approaches.

Practice-based Session

Practice-based session: Attendees participating in this session will learn to use genetic concepts, common variants and the occasional haplotype in everyday practice. The session will review typical case scenarios and explore specific language for effective messaging.

Research-based Session

Research-based session: Attendees participating in this session will learn to implement and experiment with statistical methods involving their own genetic data*. They will also learn to interpret their genotype data. Attendees interested in this session are required to know the use of command-line interface.

*only with early registration

May 19-20, 2021 - Nutritional Genomics and Metabolomics in Precision Nutrition

May 19, 2021

10:00 AM	Introductory remarks	Saroja Voruganti, PhD
10:10 AM	Overview of Nutrigenomics/Nutrigenetics	Martin Kohlmeier, MD, PhD
11:00 AM	Genetics Primer for Nutrition Researchers	Brian Bennett, PhD
11:50 AM	Genetics Primer for Nutrition Researchers	Kari North, PhD
12:40 PM	LUNCH BREAK	
1:30 PM	Experimental Approaches in Nutrigenetics (Hands-on workshop)	Saroja Voruganti, PhD and Martin Kohlmeier, MD, PhD
4:00 PM	Day 1 concludes	

May 20, 2021

10:00 AM	Experimental Approaches in Nutrigenetics - Bioinformatics	Cory Brouwer, PhD
10:50 AM	Gene-nutrient interactions in animal models and relevance to human health	Susan Smith, PhD
11:40 AM	NGx and metabolomics in precision nutrition	Susan Sumner, PhD
12:30 AM	LUNCH BREAK	
1:30 PM	Keynote: Meal feeding studies and physiology of the future	Elizabeth Parks, PhD
3:00 PM	Day 2 concludes	

May 26-27, 2021 - Microbiome and Epigenetics in Precision Nutrition

May 26, 2021

10:00 AM	NGx and Microbiome in precision nutrition	Katie Meyer, ScD
10:50 AM	Nutrition and epigenetics – a primer	Folami Ideraabdullah, PhD
11:40 AM	Nutrient and genetic regulation of methylation potential	Natalia Krupenko, PhD
12:30 PM	LUNCH BREAK	
1:30 PM	Hands-on workshop	Saroja Voruganti, PhD and Martin Kohlmeier, MD, PhD
4:00 PM	Day 3 concludes	

May 27, 2021

10:00 AM	Epigenetic and metabolic programming	Elizabeth Tejero, PhD
10:50 AM	Epigenetics in maternal and fetal medicine	Felipe Vadillo-Ortega, PhD
11:40 AM	NGx in metabolism: Insight into preclinical models	Jaspreet Sharma, PhD
12:30 AM	LUNCH BREAK	
1:30 PM	Meet and Greet	
3:00 PM	Day 4 concludes	

June 2-3, 2021 Precision Nutrition in health and disease

June 2, 2021

10:00 AM	NGx study of cognitive function	Carol Cheatham, PhD
10:50 AM	NGx study of cancer	Stephen Hursting, PhD
11:40 AM	NGx study of childhood obesity	Saroja Voruganti, PhD
12:30 PM	LUNCH BREAK	
1:30 PM	Hands-on workshop	Saroja Voruganti, PhD and Martin Kohlmeier, MD, PhD
4:00 PM	Day 5 concludes	

June 3, 2021

10:00 AM	NGx for studying nutrient requirements	Steven Zeisel, PhD
10:50 AM	Precision nutrition in medical practice	Martin Kohlmeier, MD, PhD
11:40 AM	Closing Remarks: Precision Nutrition in health and disease	Stephen Hursting, PhD
12:30 PM	Day 6 / NGx Short Course concludes	