



# Nutrigenetics, Nutrigenomics and Precision Nutrition

June 4-7, 2018 Kannapolis, NC

## Curriculum & Agenda

### Hands-on Group Sessions

Monday and Wednesday afternoons will feature hands-on workshops focused on achievable approaches. You will select one group when you register.

#### Group A – Practice-based session

Learn to use genetic concepts, common variants and the occasional haplotype in everyday practice. You'll also learn how to understand your own\* nutrigenetic data, review typical case scenarios, and explore specific language for effective messaging.

#### Group B – Research-based session

Learn to implement and experiment with statistical methods using your own computer and a dataset provided by the faculty. You'll learn how to interpret and apply your own\* nutrigenetic data. Attendees interested in this session are required to know the use of command-line interface.

\*only with early registration

### Monday, June 4

Time	Description	Speaker
8:30 AM	Registration and Continental breakfast	
9:15 AM	Welcome to NGx	Saroja Voruganti, PhD
9:30 AM	Overview of Nutrigenomics/Nutrigenetics	Martin Kohlmeier, MD, PhD
10:15 AM	Genetics Primer for Nutrition Researchers	Brian Bennett, PhD
11:00 AM	Break	
11:15 AM	Genetics in Nutritional Epidemiology	Kari North, PhD
12 PM	Experimental Approaches in Nutrigenetics #1	Martin Kohlmeier, MD, PhD
12:45 PM	Lunch	
2–4:30 PM	Group Sessions, Part I	Saroja Voruganti, PhD and Martin Kohlmeier, MD, PhD
5:30 PM	Introductory reception and dinner	

Early registration ends March 15, 2018

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**Tuesday, June 5**

Time	Description	Speaker
8:30 AM	Continental breakfast	
9 AM	Experimental Approaches in Nutrigenetics #2	Cory Brouwer, PhD
9:45 AM	NGx for Study of Cancer	Stephen Hursting, PhD
10:30 AM	Break	
11:00 AM	NGx for Study of Cognitive Function	Carol Cheatham, PhD
11:45 AM	NGx and Metabolomics	Susan Sumner, PhD
12:30 PM	Lunch	
2–4:30 PM	Afternoon Group Activity: Lake Norman Cruise	
5:30 PM	Picnic Dinner at Lake Norman State Park	

**Wednesday, June 6**

Time	Description	Instructor
8:30 AM	Continental breakfast	
9 AM	NGx and Microbiome	Katie Meyer, PhD
9:45 AM	Nutrition and Epigenetics – A Primer	Folami Ideraabdullah, PhD
10:30 AM	Break	
11:00 AM	Nutrient and Genetic Regulation of Methylation Potential	Natalia Krupenko, PhD
11:45 AM	Epigenetics and Metabolic Programming	Elizabeth Tejero, PhD
12:30 PM	Lunch	
2–4:30 PM	Group Sessions, Part II	Saroja Voruganti, PhD and Martin Kohlmeier, MD, PhD
5:30 PM	Banquet dinner with Keynote Speaker, Dr. Jose Ordovas	

**Thursday, June 7**

Time	Description	Speaker
8:30 AM	Continental breakfast	
9 AM	NGx for Studying Nutrient Requirements	Steven Zeisel, MD, PhD
9:45 AM	Pharmacogenomics	Tim Wiltshire, PhD
10:30 AM	Break	
11:00 AM	Nutrition in Preventive Medicine and Optimal Health	Melina Jampolis, MD, PNS
11:45 AM	Precision Nutrition and Closing Remarks	Steve Zeisel, MD, PhD
12:30 PM	Lunch	

