

# Research

## Understanding the Rules of Life: Predicting Phenotype

April 25, 2017

### Introductions:

Anita DeStefano     Associate Director, BU Genome Science Institute, and Professor,  
Biostatistics, SPH, and Neurology, MED  
Richard Myers     Director, BU Genome Science Institute, and Professor, Neurology, MED

### Research Presentations:

- **ATGL and Longevity**  
*Konstantin Kandror, Ph.D., Professor, Biochemistry, MED*
- **Serum Amyloid A: An Acute-Phase Protein in Search of Ligands**  
*Olga Gursky, Ph.D., Professor, Physiology & Biophysics, MED*
- **Mechanisms Driving Inflammation in Human Obesity and Type 2 Diabetes**  
*Barbara Nikolajczyk, Ph.D., Associate Professor, Microbiology, MED*
- **Leveraging Human Genetic Variation to Predict the Effect of Plasma Lipids on Coronary Heart Disease**  
*Gina M. Peloso, Ph.D., Assistant Professor, Biostatistics, SPH*
- **Metabolic Disease: Knockout Mice for Investigation of Disease**  
*Dean Tolan, Ph.D., Professor, Biology, CAS*
- **Obesity and Region Specific Gene Expression in Brain and Genomics of Alzheimer's Disease**  
*Anita DeStefano, Ph.D., Associate Director, BU Genome Science Institute, and  
Professor, Biostatistics, SPH, and Neurology, MED*
- **Mechanisms of Neurodegeneration: Prion and Alzheimer's Diseases**  
*David Harris, Ph.D., Chair and Professor, Biochemistry, MED*
- **Molecular and Synaptic Mechanisms Underlying Neurodevelopmental and Neurodegenerative Disorders**  
*Angela Ho, Ph.D., Associate Professor, Biology, CAS*
- **MicroRNA-Based Biomarkers in Neurodegenerative Disease**  
*Adam Labadorf, Ph.D., Director, BU Bioinformatics Hub, Bioinformatics Program, and  
Research Scientist, Neurogenetics Lab, Neurology, MED*
- **Regulation of Emotional States**  
*Helen Barbas, Ph.D., Professor, Health Sciences, SAR, and Anatomy & Neurobiology, MED*
- **Discerning Disease Mechanism From Network Maps**  
*Benjamin Wolozin, Ph.D., Professor, Pharmacology & Experimental Therapeutics and Neurology, MED*
- **Gene Expression as an Intermediate Phenotype in Speech and Language Disorders**  
*Jason W. Bohland, Ph.D., Assistant Professor, Health Sciences and Speech, Language & Hearing Sciences, SAR*



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