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