

**Studying human genomic variation around the world**  
**Peristera Paschou, Associate Professor**  
**Dept of Biological Sciences Purdue University**

The structure of the human genome, shaped by the forces of evolution can be used as a tool in order to trace human migrations and understand the etiology of complex disease. Dr. Paschou will discuss examples of how the investigation of human genetic variation can elucidate the history of our species and how it can be used to identify the genetic basis for common disorders. She will present recent results from large-scale collaborative studies for neurodevelopmental disorders as well studies on the genetic structure of different populations from around the Mediterranean and the Indian subcontinent.