



## Department of Statistics



The Center for Multivariate Analysis  
**Frontiers of Evolutionary Biology**  
 One day Workshop, including the Krishnaiah and Khatri Lectures  
 October 10, 2008  
 HUB Auditorium

- 9:00- 9:05 Welcome by **Daniel J. Larson**, Dean, Eberly College of Science, PSU.

### Morning Session

- 9:05- 9:15 **Masatoshi Nei**, PSU, Chairman. Introduction of Topic and Speakers.
- 9:15-10:05 **Elizabeth Thompson**, Univ. of Washington. Inference of genome sharing among related individuals: Integrating modern SNP data on pedigrees and populations.
- 10:05-10:15 Discussion.

10:15-10:30 Tea Break

- 10:30-11:00 **Kateryna Makova**, PSU. Studying mutations in the age of statistical genomics.
- 11:00-11:30 **Yu Zhang**, PSU. Reconstructing evolution history for complex gene clusters in multiple primates.

11:45-1:15 "*Flock of Dodos: The Evolution/Intelligent-design circus?*" a movie by Randy Olson.

1:15-2:15 Lunch Break

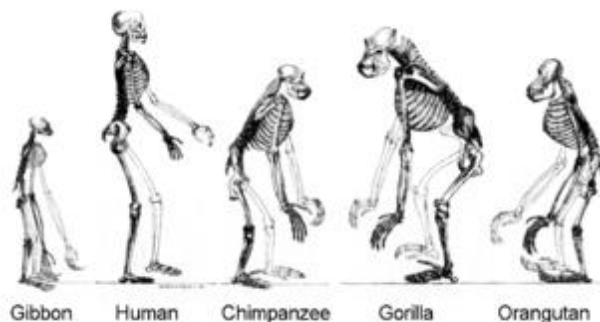
### Afternoon Session

- 2:15-2:25 **Peter Hudson**, PSU, Chairman. Introduction of Topic and Speakers.
- 2:25-3:15 **Alan Walker**, PSU. Humans in an evolutionary context.
- 3:15-3:25 Discussion.
- 3:25-3:55 **Beth Shapiro**, PSU. Inferring the demographic history of measurably evolving populations using ancient DNA.
- 3:55-4:25 **Adam Siepel**, Cornell Univ. Phylogenomics of mammals: Novel genes and positive selection.

4:25-4:45 Discussion on all topics.



Elizabeth Thompson



Alan Walker