

# Advanced Evolutionary Genomics

(Lecture 2 SWS; 3 ECTS)

**Prof. Dr. John Parsch**

- EES and MEME master programs
- Other master programs of the LMU Faculty of Biology
- Master/bachelor bioinformatics

This 3-week block course will consist of lectures and exercises that cover advanced topics in evolutionary genomics. A final exam will be given at the end of the course. Topics:

Comparative Genomics  
Evolution of Genome Size  
Gene and Genome Duplication  
Isochores and GC Content  
Codon Bias  
Evolution of Sex-biased genes  
Evolution of Gene Expression  
Evolutionary Functional Genomics

**Location:** Kleiner Hörsaal II (room B01.027), LMU Biozentrum

**Time:** Tue – Fri, 12:00 – 13:45 (Does not meet on Mondays!)

**Dates:** June 18 – July 5, 2019