

# Advanced Evolutionary Genomics

(Lecture 2 SWS; 3 ECTS)

**Prof. Dr. J. Parsch**

- EES master program
- MEME master program
- Master/bachelor biology
- Master/bachelor bioinformatics

This 4-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 (B01.027), LMU Biozentrum

**Time/Dates:** Mon-Fri, 12:00 – 13:30, May 22 – June 16, 2017

**Info:** [parsch@bio.lmu.de](mailto:parsch@bio.lmu.de)