

COURSE GUIDELINE: LECTURE 03

Variation

- Red queen dynamics (evolutionary arms races)
 - Definition
 - Case study: water fleas & parasites
 - Case study: cuckoo

- Sources of variation
 - Genotype vs. phenotype
 - Epigenetics
 - Maternal effects
 - Ways to test source of given trait (genetic or environmental)

- Phenotypic plasticity
 - Definition
 - Norm of reaction
 - Examples
 - Reversible vs. irreversible plasticity
 - Adaptive plasticity
 - Case study: Honeybees