



We are interested in molecular-genetic mechanisms of population adaptive differentiation caused by fluctuating or stressful environments.



Our study combines field research with molecular techniques and laboratory-scale experiments to address major issues in adaptation and evolution.



RESEARCH PROJECTS

- Molecular-genetic basis of adaptation to stress of *Drosophila* natural populations
- Incipient sympatric speciation in *Drosophila* caused by microclimatic contrasts
- Evolution of recombination using *Drosophila* and fungi as model organisms

- Nonrandom mating and peculiarities of courtship behavior in *D. melanogaster* populations derived from ecologically contrasting habitats.
- Candidate genes involved in adaptive differentiation by affecting mate recognition: *period*, *desat2*, *nonA*, etc.