

Laboratories available at the 4th year

<https://www.bio.nagoya-u.ac.jp/english/laboratory/index.html>

Research Project Samples

- ✧ Expression of novel type rhodopsin in zebrafish for optogenetic control of neurons
- ✧ Metabolic regulation of satiety behavior in *C. elegans*
- ✧ Uncovering the Neural Pathway of Experience-dependent Changes of Song Preferences in *Drosophila melanogaster*
- ✧ Diet modulates age-associated decline of chemotaxis in *C. elegans*
- ✧ *L. reuteri* alleviates age-dependent decline in thermotaxis behavior of *C. elegans* through daf-16 b isoform
- ✧ The chromatin-remodeling complex SWN/SNF in axon regeneration in *C. elegans*
- ✧ Investigating Target Engagement of Novel Circadian Clock Modulating Compounds
- ✧ Exploring the effect of temperature on the hearing systems and auditory behaviors of *Aedes aegypti* mosquitoes
- ✧ The nutritional state-dependency of chemotaxis ability in aged *C. elegans*
- ✧ Molecular basis of the effects of aging and diet on *C. elegans* thermotaxis behavior
- ✧ Age-dependent chemosensory modulation by neuropeptides in *C. elegans*
- ✧ Exploring germline sex-determination and the functionality of an AID system in the teleost fish, medaka (*Oryzias latipes*)
- ✧ Analysis of the Effect of Tight Junction Modulating Drugs on C-REV's Therapeutic Efficacy Against Pancreatic Cancer