

October 2023 / April 2024 / October 2024
Graduate Institute for Advanced Studies, SOKENDAI [GENETICS]
Application Guideline

Revision

P.28

Before revision	After revision
<p>KUBO, Fumi Laboratory Neural circuit mechanisms for visual processing and behavior Animals generate a range of behavior depending on visual information that they receive from the outside world. Using zebrafish as a model, our lab investigates the neural circuit mechanisms by which visual inputs produce goal-directed behavioral outputs. In particular, we aim to understand the roles of genetically defined neuron types and their circuit connectivity underlying the visually guided behaviors. Our lab uses a combination of different approaches, such as behavioral, genetic and optical techniques, as well as quantitative data analyses. Our ongoing projects include: - Genetic basis of the motion processing neural circuit - Roles of excitatory and inhibitory circuits in the motion processing circuit - Neural basis for lateralized behavior (+81-55-981-5828, fumikubo@nig.ac.jp)</p>	<p>Deleted due to retirement from National Institute of Genetics on September 30, 2023.</p>