

## Master's thesis project: Software user interface for tracking freely-moving animal behavior

We have a job opening for a Master's thesis project at the Department of Neuroscience and Biomedical Engineering. The aim of the project is to develop a user interface for our novel software to track the behavior of a freely-moving mice.

Automated methods to characterize the behavior of freely-moving animals represent a pivotal goal in modern neuroscience. Nevertheless, the tools available for this are currently very limited. Our laboratory has developed recently a state-of-the-art methodology for tracking mice at low light levels.

The project available is part of our larger research direction related to animal tracking. We have an Academy of Finland key project grant to push these project directions forward (<http://www.aka.fi/fi/tiedepoliittinen-toiminta/akatemia-karkihankerahoitus>). The project has several leading international collaborators. In addition, the successful candidate will have access to the state-of-the-art lab equipment and the excellent research environment.

We are seeking highly motivated and enthusiastic applicants with good Python programming skills. Studies / knowledge in the field of computer vision and basic knowledge of cross-platform user interface development are beneficial in this project.

To apply, send an email with the subject "Application: MSc Project" to MSc. Tuomas Turunen ([tuomas.turunen@aalto.fi](mailto:tuomas.turunen@aalto.fi)). Please, include a cover letter, curriculum vitae and a student transcript. If you want, you can attach 1-3 references. Please, send you application by April, 15th. The project can start as soon as the position is filled.

For further information, please contact:

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