

# Master's degree project in plant cell molecular biology

Autophagy is the major catabolic process of eukaryotes allowing cells to recycle their own contents. It is intensively investigated by plant biologists to elucidate mechanisms regulating plant fitness and stress tolerance. In this project we aim to study in details the effects of a drug typically used to modulate plant autophagy.



## You will acquire skills in:

- Advanced fluorescent microscopy
- Handling typical plant model organism *Arabidopsis thaliana*
- Advanced DNA and protein molecular biology methods
- Acquiring and handling high-throughput data (using ImageJ macros and a Raspberry Pi-based robot)

## Contact:

Adrian Dauphinee, PhD: [adrian.dauphinee@slu.se](mailto:adrian.dauphinee@slu.se)

Alyona Minina, PhD: [alena.minina@slu.se](mailto:alena.minina@slu.se)

For more information: <https://www.alyonaminina.org/2019-msc-at-slu>

Available earliest from the October 1<sup>st</sup>, 2019.