

## **Molecular plant science internship/research project in Norway**

We are looking for a motivated MSc student with a strong interest in molecular plant science to join us for a 4-6 month internship in the first half of 2026. The experimental work will involve a set of *Arabidopsis* lines with mutated versions of a receptor protein involved in the plant stress response. We want to study how these receptor variants affect levels of reactive oxygen species (ROS) when plants are exposed to cell wall stress and hyperosmotic stress. Your task will be to set up a technique to measure ROS levels and use this technique to characterize ROS levels in response to different types of stress in the different mutant *Arabidopsis* lines. We can also try the technique on other species like woodland strawberries. If time and capacity allow, you can learn additional techniques such as qRT-PCR, confocal microscopy, analysis of an RNA-seq dataset and various types of *Arabidopsis* work. The project can be tailored to your interests.

The work will be carried out at the Norwegian University of Science and Technology in Trondheim. Trondheim is a university city of roughly 200.000 people. However, Trondheim feels similar to a small town like Wageningen. There is a good chance of seeing the Northern lights and you can go from the city center to the middle of nature in 20 minutes by bus. If you are interested in outdoor sports or nature, you may hardly imagine a better place to live. Trondheim has a direct flight connection from Amsterdam and takes 2-3 days to reach by train or car.

Get in touch with [steven.zwartkruis@ntnu.no](mailto:steven.zwartkruis@ntnu.no) before the 20<sup>th</sup> of October if you are interested. Clearly indicate your educational background and let us know what you would like to learn from this internship.