

A Ph.D. position is open in the project "Traits in emerging endosymbiosis for manipulating host cell (INCELL)", funded by Academy of Finland, at Ecology & Genetics Research Unit, University of Oulu, Oulu, Finland.

The project is focused on endosymbiotic bacteria living in the cells of pine bud meristems. These bacteria colonize pine seedlings through rhizobia-like mechanisms and increase host growth to the same extent as mycorrhizal fungi. In the project, mechanisms of growth promotion are analyzed by identifying genes activated and by tracing compound transfer between the organisms. The research will produce essential information on a novel symbiosis by elucidating mechanisms of manipulating host cells by intracellular bacteria.

The successful Ph.D. candidate should have:

- M.Sc. degree in plant biology, biochemistry, microbiology or equivalent

Advantages in the application process are considered:

- Skills in molecular cloning
- Expertise in microscopy
- Experience in studies on plant-microbe interactions

Applications comprising of CV, degree certificate and motivation letter should be submitted to Anna Maria Pirttilä (am.pirttila@oulu.fi) by August 15, 2017.

Further information:

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