

PhD. students (10)

Faculty of Forest and Wood Sciences

Czech University of Life Science, Prague, Czech Republic, EU

Application Deadline: June 8th 2017

Start date: October 2017

Website: <https://extemit.fld.czu.cz/cs/>

<https://www.fld.czu.cz/en/r-11019-doctoral-study-applicants>

Qualifications

Interest in identification of the chemical compounds (analytical techniques GC-MS, HPLC, GC-EAD),

Interest related to behavioral experiments and bark beetle research are welcomed

Interest in Chemical Ecology, Forest Entomology, Ecology

Excellent English communication and writing skills

Description

EXTEMIT-K, New project at CULS, Faculty of Forestry and Wood Sciences in Prague, co-financed from the Operational Program Research, Development and Education, European Union.

Lead by Prof. Fredrik Schlyter.

The project is focused on solving current/future challenges triggered by climate change in forest ecosystems of the Czech Rep., (chemical ecology of bark beetle-spruce trees interaction in related abiotic factors – mainly the climatic extremes).

Topic of dissertation thesis will be related to one of the listed research areas

Molecular_Ecology_of_Insect_Semiochemicals_Detection

Molecular_Ecology_of_Tree-Insect_Interaction

Chemical ecology, Insect electrophysiology

Forest entomology

GIS and Remote sensing

Forest Ecology, Dendroecology

Qualifications for the position

Interest in identification of the chemical compounds (analytical techniques GC-MS, HPLC, GC-EAD),

Interest related to behavioral experiments and bark beetle research are welcomed

Interest in Forest Entomology, Ecology
Excellent English communication and writing skills

Key responsibilities

Applicant will learn how to analyze the volatile compounds by the GCxGC-MS, run the behavioral experiments in the laboratory and in the field, and participate in molecular genetics of the tree and bark beetle.

Eventually will learn the electrophysiology detection of the active compounds on the bark beetle antenna

Close cooperate with molecular geneticists, forest physiologists and forest entomologists.

We Offer

PhD. Studies at CULS, FFWS, Prague, learn more at <https://www.fld.czu.cz/en/r-11019-doctoral-study-applicants>

Length of the studies 4 years, **starts in October 2017**

Stipend 700-800€, depending on passed exams (Advantage: Low living expenses in Prague + benefits of the CULS student)

Application Materials

Curriculum vitae

Motivation letter

Recommendation letter

Submit applications and further questions to:

Contact Person: **Anna Jirošová**, leader of the subsection T

Mailing Address: Kamýcká 129, 16500 Prague – Suchbát, Czech Rep. (EU)

Telephone: +420 224 383 711

E-mail: jirosovaa@fld.czu.cz