**Post-doc Researcher in Plant Physiology: Transpiration measurements as a tool for assessment of spruce stand perspectives**

**Job description:**

We are seeking a postdoctoral researcher to join our team within the Physiology section at the Department of Genetics and Physiology of Forest Trees, Faculty of Forestry and Wood Sciences in Prague, Czech Republic. The task is titled “Transpiration measurements as a tool for assessment of spruce stand perspectives.”

This job position is focused on the transpiration and the growth measurements of Norway spruce under global climate change. With respect to decreasing amount of precipitation or their irregular distribution over the year the future development of spruce forests is less predictable. Moreover the transpiration changes have huge ecophysiological consequences.

The selected candidate will be expected to answer these questions:

* Can we predict the susceptibility to insect or fungi attack based on transpiration, stem increment and soil water potential?
* Is there any transpiration or growth trait that can be regarded as the most important factor(s) determining the ability to survive the drought events?
* What is the sustainability of spruce stands in the conditions of current climate change?

From post-doc researcher we expect the advanced knowledge and practical experiences in processing of the sap flow data from common sap flow sensors (e.g. Granier, THB method), dendrometers and meteorological sensors for evapotranspiration calculation. Responsibilities will predominantly be data analysis and manuscript preparation.

We are a young and energetic research team with close collaborations with international partners. We offer opportunities to collaborate with the molecular biologists and the genetics at our department. To obtain more information about our team, visit <https://www.fld.czu.cz/en/r-9413-departments/r-9473-departments/r-10404-department-of-genetics-and-physiology-of-forest-trees>

Type of employment: Temporary position – 10 months

Working hours: Full time

First day of employment: 05/2020 earliest

Number of positions: 1

City: Prague

Country: Czech Republic

Czech University of Life Sciences in Prague, Faculty of Forestry and Wood Sciences,

Kamycka 129, Praha 6 Suchdol, 16521, Czech Republic

**Requirements:**

* The applicant should have a PhD or other appropriate level 8 of ISCED (International Standard Classification of Education) qualification completed within the last 7 years in environmental or related sciences (biology, ecology, forest science and plant physiology)
* The applicant has worked outside of the Czech Republic for at least 2 years as a researcher (0.5 contract or more) or has studied doctoral studies during the last 3 years.
* The applicant has already published 2 peer-reviewed research outputs during the last 3 years.
* All research activities will be conducted in English, knowledge of the Czech language is not required. Excellent English communication and writing skills on the level of native speaker is essential.

**Selection procedure:**

Selection will be based on the relevance of candidates’ professional interests and experience, as well as excellence in research achievements.

**Position duration, starting date and salary:**

The duration of the position is 10 months, starting earliest in May 2020. The gross monthly salary starts at 62,412 CZK (circa 2,400 EUR) including health insurance and social security cover. The starting monthly salary represents double of the median salary in the Czech Republic. To compare living costs see here: https://www.expatistan.com/cost-of-living.

**Required application documents:**

* Diploma (and its nostrification, if necessary)
* Professional résumé (CV), including a list of publications and motivation letter
* Confirmation of 2 years professional activity outside of the Czech Republic within the last 3 years and/or Ph.D. programme documents (confirmation can also be included in the résumé - CV)

**Application deadline:**

The deadline for application is 1 March 2020. Application review will begin immediately. Successful candidates will be contacted in the middle of March 2020. The second round of the interview will take place in the form of a video call.

**About the employer**

Czech University of Life Sciences Prague, Faculty of Forestry and Wood Sciences, is searching for 1 researcher (Post-Doctoral Position) to new project: “PROMO II”.

The aim of the project, co-financed by the Operational Program Research, Development and Education, is to support the development of international mobility of research staff at CULS Prague.

**We offer:**

• Working on a temporary contract (10 months, start earliest in May 2020),

• Work full-time employment (1.0)

• Salary: at least 2 400 €

• Place of work: Kamýcká 129, 16500 Prague – Suchdol, Czech Rep. (EU)

• Benefits of the CULS employee

• Work in a dynamic, international, cooperative and high professional quality team

• Extend research networks by participation in international conferences and presentation of research findings

• Working in English

**4 research areas**

1. Plant Physiology

2. Biology

3. Ecology

4. Forest management