

## Postdoctoral researcher, Tandem Forest Value project FutureGenes Oulu/Umeå

### Description of position

We are searching for a post doc researcher to work on Tandem Forest Value Project FutureGenes. It is a two-year position starting in December, 2018. Tandem Forest Values is a bilateral (Finland-Sweden) research program within forestry and the forest products industry. FutureGenes project combines four teams: National Resources Institute Finland, Luke (prof. Katri Kärkkäinen) SLU (Prof. Harry Wu) UOulu (Dr. Tanja Pyhäjärvi) and Skogforsk (Dr. Mats Berlin) to study genetics of adaptation to climate and possibilities to mitigate the effects of climate change to forests via breeding and optimal seed deployment. In the project, we will analyse data on Scots pine and Norway spruce obtained in national projects on local adaptation and genomic selection, and in an ongoing H2020 project B4EST (Adaptive tree breeding strategies and tools for forest production systems resilient to climate change and natural disturbances).

We are searching for a post doc researcher to work with us e.g. in analyses of genetic variation, differentiation and genomic prediction (e.g., quantitative genetic and sequence variation analyses, genomic selection methods), and in defining optimal deployment models for future climates (e.g., Kujala et al. 2017 Heredity; Berlin et al. 2016 Silva Fennica Chen et al. [www.biorxiv.org/content/early/2018/04/03/293696](http://www.biorxiv.org/content/early/2018/04/03/293696) ).

### Qualifications and competences:

- PhD degree in genetics, statistics or forest sciences/agricultural sciences
- Good understanding in genomic analyses and quantitative genetics
- Experience with research in genomic prediction and analyses of large data set is desirable
- Bioinformatics skills is a plus
- Interest in gene networks is a plus.
- Strong written and verbal communications skills (English)
- Ability to work in two countries with diverse group of researchers and end users

**Salary:** Salary will be defined when selecting the new employee (3000+ Euros depending on the experience)

**Further information:** Katri Kärkkäinen, phone: +358 29 532 3767, email: [katri.karkkainen@luke.fi](mailto:katri.karkkainen@luke.fi)  
Harry Wu, email [harry.wu@slu.se](mailto:harry.wu@slu.se)

**Applications:** Applications must be addressed to the Natural Resources Institute Finland and sent by 12:00 noon on 9<sup>th</sup> November 2018 via email to [kirjaamo@luke.fi](mailto:kirjaamo@luke.fi) or by post to Natural Resources Institute Finland (Luke), Latokartanonkaari 9, 00790 HELSINKI.