Located in Nyon, CHANGINS is a unique training and research site in Switzerland, which stands as the national center of excellence for higher education in grapevine, viticulture, wine and arboriculture professions. For our research sector, we are recruiting a 

**Post-doctoral researcher (scientific collaborator) in grapevine physiology and genomics**

*(3 years fix term contract at 80%)*

**Mission**

You will join the CHANGINS viticulture group, which provides education and conducts research in the fields of sustainable, organic and biodynamic viticulture, plant biotic and abiotic stresses and their effects on vine and berry physiology, plant-pathogen interactions, alternatives for synthetic pesticides and the characterization and valorization of Swiss viticultural terroirs.

Together with the team in place you will be working on a SNF (Swiss National Science Foundation) funded project which aims to characterize the immune priming potential of natural volatile organic compounds from essential oils against grapevine (*V. vinifera*) downy mildew (*P. viticola*) on a molecular and metabolomic basis. The project is embedded the COST Action INTEGRAPE CA17111 ([http://www.integrape.eu/](http://www.integrape.eu/)) where you will have an active role in the Working Group 3 (collaborating with Dr. Johan Trygg, Umeå University and Dr. Jérôme Grimplet, CITA-Aragon) to define data standards complying with the FAIR data principles and apply them for the integration of multi-omic heterogeneous dataset.

**Required skills**

- Post-doctoral researcher with a PhD in plant biology or physiology with experiences in molecular biology, genomics and preferentially plant-pathogen interactions.

**Other recommended skills**

- Very good skills in the field of plant molecular analysis (next generation sequencing techniques), bioinformatics, metabolomics, metabolomic signaling.
- Experience with phytotron experiments, plant cultivation and multiplication.
- Laboratory experience with RNA extraction and handling.
- Experience in downstream omics analysis and data fusion modeling is advantageous.
- Open personality, able and motivated to integrate and collaborate with different research groups
- Excellent level of spoken and written English is required. A basic level of French is a plus.
- Experience in grapevine research is favorable.

**Duration of the contract:** 36 months

**Start:** 1st June 2020, negotiable

Complete application files (motivation letter, curriculum vitae, work certificates, diplomas) should be sent to Mr. Jimmy Salchegger, HR Manager, by e-mail ([jimmy.salchegger@changins.ch](mailto:jimmy.salchegger@changins.ch)). Applications will remain open until the right candidate is selected.

For further information related to the position don’t hesitate to contact Dr. Markus Rienth, Professor of viticulture, by e-mail ([markus.rienth@changins.ch](mailto:markus.rienth@changins.ch)).