

The Haute Ecole Arc Conservation-restoration (Neuchâtel, Switzerland) offers a position as

## Research assistant 25-30 %

From April 2019 to July 2020

# Career



# Hes-so

Haute Ecole Spécialisée  
de Suisse occidentale

University of Applied Sciences  
Western Switzerland

### MISSION

Participation to the research project entitled MICMAC, "Microbes for Archaeological waterlogged wood conservation" funded by the Swiss National Science Foundation and related to the application of a biotechnological extraction method of iron and sulphur species from archaeological waterlogged wood.

### MAIN ACHIEVEMENTS

The different research activities of the project will allow developing biological processes with the aim to remove harmful iron/sulphur species when wood is still wet before its consolidation. The successful candidate will be involved in the following tasks:

- Documentation and preparation of wood samples contaminated with iron/sulphur species
- Application of chemical extraction methods on wood samples
- Conservation treatment with PEG followed by freeze-drying
- Documentation of the wood samples during conservation processes and ageing procedures
- Assisting the head of the project in evaluating results

### SKILLS REQUIRED

- Hold a university Master's degree in conservation-restoration or conservation science
- Understanding for scientific procedure
- Autonomy, organizational and communication skills
- Good level of English (B2)

### ADDITIONAL ASSETS

- Experience in dealing with archaeological organic materials
- Knowledge on wood materials and in particular waterlogged wood
- Technical skills (including PEG impregnation and/or freeze-drying)
- Some knowledge of French or German will be an advantage

**WORKING PLACE:** Archaeological Service of Canton Bern (Switzerland), Brünnenstr. 66, Berne  
but some meetings and working sessions will be held at the Haute Ecole Arc,  
Espace de l'Europe 11, Neuchâtel

**APPLICATION DEADLINE:** February 18<sup>th</sup> 2019

Questions about the position: Edith Joseph, [edith.joseph@he-arc.ch](mailto:edith.joseph@he-arc.ch), main supervisor

For administrative issues related to the work place: Isabelle Rérat, [isabelle.rerat@he-arc.ch](mailto:isabelle.rerat@he-arc.ch), human resources delegate.

The application file should include a letter of motivation, copies of titles, a curriculum vitae and any references should be sent to Isabelle Rérat, [isabelle.rerat@he-arc.ch](mailto:isabelle.rerat@he-arc.ch).

Publications and other academic works that the applicant would like to be considered in the evaluation must accompany the application.