



Dépt des neurosciences cliniques  
Bâtiment hospitalier  
Rue du Bugnon 46  
CH-1011 Lausanne



**Application deadline: 15.04.2021**

Applications are invited for a **PhD fellowship** to be based at LREN, Department of Clinical Neurosciences – CHUV, Lausanne, Switzerland ([www.unil.ch/lren](http://www.unil.ch/lren)) as part of the Swiss National Science Foundation-funded project “*FemiLab – Women’s brain health across the lifespan*” led by Dr. Ann-Marie de Lange.

**About the project:** Women have higher prevalence of autoimmune diseases, and are at greater risk of developing Alzheimer’s disease relative to men. As women’s health is historically understudied, little is known about mechanisms underlying sex differences in risk and disease, and how factors such as pregnancy and hormone exposure influence the female brain across the lifespan. FemiLab is an international, cross-disciplinary research initiative that aims to increase the knowledge about women’s brain health by applying computational tools to neuroimaging, clinical, genetic, and biological data. More information can be found at <https://www.unil.ch/lren/home/menuinst/teams-science/femilab---womens-brain-health.html>

The position is suitable for a highly motivated and hard-working candidate with an interest in human brain imaging and big-data analysis. The candidate will contribute to the project objectives as part of an interdisciplinary team of researchers at LREN, University of Oslo, and University of Oxford. The fellowship is for a period of 3 years, and the candidate is expected to enrol in the Lemanic Neuroscience Doctoral School (<https://www.unil.ch/ln/home/menuinst/ln-doctoral-school.html>) and complete their PhD within the set fellowship period.

**Qualifications and personal skills**

- Applicants must hold a degree equivalent to a Master’s degree in cognitive neuroscience, computational science, psychology, medicine, biology, or other relevant fields. Candidates who will complete their degree within the starting date will be considered.
- Previous experience with statistical analysis and programming (python, R, Matlab or similar) is an advantage. Interest in acquiring the necessary computational skills is essential.
- Experience with brain imaging data (e.g. MRI) is an advantage.
- Interest in or experience with big-data analysis (e.g., Machine Learning) is an advantage.
- Excellent oral and written skills in English are required. French language skills may be an advantage.
- Excellent communication and collaborative skills are required.

**We offer**

- An ambitious, international research environment with a strong multidisciplinary profile and excellent opportunities for academic development.
- Salary in accordance with SNSF regulations.
- Latest starting date: 30. June, 2021.

**How to apply**

The application must include:

- Cover letter (brief summary of motivation and research interests, career plan)
- CV (summarising education, positions, relevant experience)
- Relevant educational certificates and transcripts of records
- List of 2 references (name, relation to candidate, e-mail and phone number)
- List of publications, if any (including preprints with valid links). Manuscripts should not be submitted along with the initial application

In assessing the applications, emphasis will be placed on academic qualifications, the candidate’s motivation, and personal suitability. Interviews will be performed as part of the selection process.

Please send your application to Dr. de Lange at [ann-marie.de-lange@chuv.ch](mailto:ann-marie.de-lange@chuv.ch) within **15.04.2021**.