

Laversenne Vanessa
10.01.1989, 22 years old
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Swiss and French
Single



Objective

Searching a drug or biomarker development project in neurodegeneration field for a master thesis of one year. Going abroad is welcomed.

Education

Expected in 2013 **Ecole Polytechnique Fédérale de Lausanne (EPFL)**
Master in Life Science and Technology
Specialization Neuroscience

2007-2010 **EPFL**
Bachelor in Life Science and Technology

2003-2007 **Collège Claparède, Geneva**
Maturité Gymnasiale. Price for the best results in biology-chemistry option.

Professional Experience

2011- now **Laboratory for Neurodegeneration Study (LEN) headed by Patrick Aebischer**
Student Assistant in research
Main project: Autonomous work in molecular biology and in virology in order to characterize protein SOD1 involvement in the Amyotrophic lateral sclerosis disease.
Side project since December 2011: Collaboration with Harvard medical school in the context of the Bertarelli program in Translational Neuroscience and Neuroengineering. Clonage of the tmcl and 2 genes in an AAV vector in order to use genetherapy to improve auditory impairment due to tmc genes defection.

2010 **EPFL**
Student Assistant in computer science (C++)
Answer to student questions and exams correction

Student Jobs

2010-2011 Private courses in Chemistry and Physic, Gymnasium level

2007, 1 month **Cargill International SA**, Administrative work

2001-2007 **Atelier des Art du Cirque**, Circus Teacher for children from 3 to 15 years old.

Languages

French mother tongue

English Fluent (B2 European standard)

German Beginner (A2)

Technical skills

Imaging: Image processing, EEG

Molecular biology: Biosafety formation of the EPFL, Bacteria manipulation, Cloning, Virus Titration, qPCR, Immuno-staining, Western Blot

Computer science: C++, Matlab, Java, Microsoft Office

Projects

Translational Neuroscience project (semester project during the master)
Drug Discovery Process for LRRK2 GTPase Activity in Parkinson's Disease
Study of the modulation of LRRK2 by small compounds in order to prevent Parkinson's disease, supervised by Darren Moore.

Bachelor Thesis
Helminths and chronic inflammatory diseases.
Review and laboratory work on the interaction between helminths and Autoimmune diseases, supervised by Nicola Harris.

Interest

New cultures discovery: travelled in USA, Japan, Thailand, Cambodia, China (Beijing), project to go to Brazil.