Curriculum Vitae Alexia Stuefer

Date of birth: 20/01/1992, Italian citizenship
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Languages: German and Italian bilingual (native), English (fluent IELTS 8.0),
                      French (basics)

EDUCATION

2015 – 2018   *Vrije Universiteit (VU) Amsterdam, Netherlands*
Research Master of Neuroscience
Graduated in July 2018. – 7.9/10
Thesis: Comparative Connectomics: Comparing Non – Human Primates and Humans
Subjects included: Clinical Neurosciences, Neuroendocrinology, practical's and lectures in Neuroanatomy, Microscopy, Neurogenomics and Live cell imaging.

2012 – 2015   *Alma Mater Studiorum University of Bologna, Cesena (FC) Italy*
BSc in Sciences of Behaviour and Social Relations.
Graduated in July 2015 – 110/110 cum laude
Erasmus at Karolinska Institutet, Stockholm Sweden
Thesis: The role of the mirror neuron system and the mentalizing system in
           social cognition
Subjects included: Neurophysiology, Cognitive/social neuroscience, Neuropsychology

WORKING EXPERIENCE

Italian Institute of Technology – Rovereto
Functional Neuroimaging Lab   October 2018 – present
        Research fellow. Opto – fmri data analysis.

Max Planck Institute for Brain Research (Mpi brain) – Frankfurt am Main
Helmstaedter Department/ Department of Connectomics   January 2018 – September 2018
- Guest scientist. Connectomics data analysis of striatal circuits in wild type and CNTNAP2 knockout mice.

Max Planck Institute for Brain Research (Mpi brain) – Frankfurt am Main
Helmstaedter Department/ Department of Connectomics   April 2017 – December 2017
- Research internship. Three-dimensional serial block-face scanning electron microscopy and skeleton based connectomics data analysis to investigate striatal circuits in wild type and CNTNAP2 knockout mice.
Title: Connectomic Analysis of the CNTNAP2 knockout mouse.

Center for Neurogenomics and Cognitive Research (CNCR) - Amsterdam
Synaptic Computation group   February 2016 – July 2016
- Research internship. Electrophysiological recordings using Whole Cell Patch Clamp in primary neuronal cell cultures infected with various lentiviruses and analysis of the different kinetics to investigate presynaptic mechanisms of vesicle fusion.
Title: Clamping Role of Synaptotagmin-1 in Synaptic Vesicle Release.
co-author in process of submission.

KEY SKILLS

Research
- Intracranial injections
- Transcardial perfusion (Felasa-B certification for animal research) and brain tissue sampling in rodents.
- Lab rotations during my Research Master of Neuroscience program, subjects included: Microscopy, Neuroanatomy, Immunocyto- and histochemistry, Cloning and Optogenetics.

Programming and data processing skills
- Advanced command of Statistical Package for the Social Sciences software (SPSS - IBM).
- Knowledge and experience with Mathworks Matlab software.
- Basic knowledge of the programming language Python.
- Knowledge and experience with Adobe Illustrator and Image J.

April 2019, Rovereto   Alexia Stuefer