



SIMONE LEONI

PHD CANDIDATE

CONTACT

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ACTIVITIES AND INTERESTS

Mountain bike • Skiing • Cooking • Travel • Gaming

EDUCATION

BACHELOR OF SCIENCE IN BIOLOGY

UNIVERSITY OF ZUERICH, SWITZERLAND

Sep 2017 – Feb 2021

Average grade: 5

Minored in Neuroinformatic

MASTER OF SCIENCE IN NEUROSCIENCE

UNIVERSITY OF ZUERICH, SWITZERLAND

Feb 2021 – Apr 2022

Average grade: 5.9

Thesis: "Functional analysis of CAPS1 and CAPS2 during neural circuit development"

PHD IN NEUROSCIENCE

UNIVERSITY OF BERN, SWITZERLAND

May 2022 – approx. Feb 2026

Thesis: "Confronting the rising epidemic of the zoonotic tick-borne encephalitis virus"

PROFESSIONAL TRAINING

- Jan 2022 – LTK1 course – Animal handling course for rodents
- Work in biosafety level 3 conditions

EXPERIENCE

- Nov 2019 – Dec 2019 – Substitute teacher
- Apr 2024 – May 2024 – Student tutor

LANGUAGES

- Italian: native language
- German: advanced
- English: advanced

REWARDS

- Travel grant ECCMID 2023
- Top rated poster ECCMID 2023
- Travel grant ESCMID Global 2024
- Top rated abstract ESCMID Global 2024

PUBLICATIONS

- Endoglycan Regulates Purkinje Cell Migration by Balancing Cell-Cell Adhesion. *Frontiers in Neuroscience*. Jun 2022

SKILLS

Dissection • in situ hybridization • immunohistochemistry • injection and electroporation with RNAi and plasmids • western blots • perfusions • whole mount staining • open-book preparations • decalcification • bacterial transformations • plasmid purification • cell culture work • cryostat sectioning • microscopy (stereoscope, confocal, spinning disk, widefield) • organotypic cultures (cerebellar, hippocampal, cortical) • viral amplification • viral titration • in vivo work • dissection • perfusion • tissue collection • histology • antiviral testing • Cytokine assay • Neurofilament assay • PCR