



Curriculum Vitae

Samuel Bourgeat

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Date of birth: 11/12/1996

Nationality: French

Education

2021 – Today	Doctor of philosophy (Ph.D.) in Evolutionary Neurobiology – Jakšić lab, Swiss Federal Institute of Technology Lausanne
2019 – 2021	Master's degree in Biosciences and Complex System Modelling – Ecole Normale Supérieure de Lyon
2018 – 2019	Bachelor's degree in Biosciences – Ecole Normale Supérieure de Lyon
2016 – 2018	Two-year University degree in Life Science – Université Claude Bernard Lyon 1 - <i>magna cum laude</i>
2015 – 2016	Two-year University degree in Mechanics and Production – Université Claude Bernard Lyon 1
2012 – 2015	French Baccalaureate , Scientific option – <i>cum laude</i>

Research Experience

2021/Currently: Ph.D at Jakšić lab (Swiss Federal Institute of Technology Lausanne).

Primary Advisor: Dr. Ana Marija Jakšić and Prof. Brian McCabe

Thesis: Genetic and adaptive basis of the evolution of brain size and cognition.

2021/6 months: Master's thesis project with Ana Marija Jakšić's lab (Ecole Polytechnique Fédérale de Lausanne).

Head of the laboratory: Dr. Ana Marija Jakšić

Forward simulation of long-term experimental evolution of cognition.

2020/6 months: Master project with Professor Grégoire Courtine's lab (Ecole Polytechnique Fédérale de Lausanne).

Head of the laboratory: Prof. Grégoire Courtine

In silico electrophysiology of cervical and lumbar epidural electrical stimulation in humans.

2019/7 weeks: Bachelor project at the Lyon Neuroscience Research Centre.

Head of the laboratory: Dr Nathalie Mandairon

Impact of middle stress on emotional state and olfactory perception in the rodent model.

2018 /6 weeks: Internship at the Lyon Neuroscience Research Centre.

Head of the laboratory: Dr Antoine Lutz

Neural correlates of altered states of consciousness using fMRI investigations and phenomenology.

Work Experience

2019/3 weeks: Summer job. Aguetant Laboratory, Lyon, France

2018-2019: Science Tutor in High School, Trait d'Union, ENS de Lyon

2017/1 month: Summer job. Ziehl Abegg France

2017/1 month: Summer job. GEODIS Plaine de l'Ain

06/2016/1 month: Summer job. Styl'monde Priay.

2015/5 month: Part-time job in McDonald's restaurant in Lyon.

2015/3 weeks: Summer job. SAD Lyon Vénissieux

Language and Skills

Languages	French: Native Hindi: Native English: C1 (Cambridge Advanced English)
IT skills	R, Python, Matlab, C#, JavaScript, Linux environment
Life sciences skills	Neurobiology, computational biology, cellular and molecular biology, bioinformatics and evolutionary biology.

Personal interests

Interests	Bodybuilding (regular), Running, Rugby (4 years), Basketball (4 years), Yoga
Favourite Lectures	Robert Sapolsky (<i>Behave</i>), James Gleick (<i>Chaos</i>), Richard Dawkins (<i>The selfish gene</i> , <i>The extended phenotype</i>), Rachel Carson (<i>Silent Spring</i>)
Volunteering	W.W.F (since 2015), « Ambérieu Alternatives » (Festival of alternative solutions for a sustainable living) (since 2016), Medieval reconstitutions association (since 2015), Festival Yggdrasil (since 2016)

