

Sophia LAMBERT

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11/12/1994 – age 22

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Full clean driving Licence

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France

PROFILE:

An environmental science student, keen to learn from interdisciplinary approaches. Reliable, hardworking, dynamic and meticulous. Able to work on own initiative or in a team.

SCIENTIFIC COMMUNICATION:

June 2017 › **Co-author** of the presentation performed by Dimitri Theuerkauff at the annual congress of the **Society for Experimental Biology (SEB)**

- › “Mangroves as biofilters : The other side of the coin with mangrove crabs being differentially affected by waste water release”

EDUCATION:

2017-2018 › **MSc (expected 2018) INTERDISCIPLINARY APPROACHES IN LIFE SCIENCES (AIV)** › *Center for Research and Interdisciplinarity CRI, Paris Diderot and Paris Descartes University*

- › Creating an Interdisciplinary Research Community
- › Critical Analysis of Research Articles

2015-2017 › **MSc in ECOLOGY, BIODIVERSITY, EVOLUTION (EBE) specialty BIODIVERSITY AND ECOSYSTEM FONCTIONNING – ECOLOGICAL ENGINEERING with honors**

(2015-2016, head of the class: 76/100 ; 2016-2017 : 71.4/100) › *Sorbonne University, Paris VI, France.*

- › Tropical ecology (Project on the role of megaherbivores)
- › Ecological engineering (Implementation of countervailing measures)
- › Biogeochemical cycle and global change (*Hungate et al 2003*)
- › Biology and ecological functioning (*Hillebrand et al 2009*)
- › Community and ecosystem ecology (Foraging models)
- › Statistic (PCA, CFA, ANOVA, ANCOVA, GLM, linear mixed model, software R)
- › GIS and spatial analyses (Software: ArcGIS, QGIS, R)

2012-2015 › **BSc in ECOLOGY OF ORGANISMS AND ECOSYSTEMS with honors** › *University of Nice Sophia-Antipolis*

- › Biodiversity (Impact assessment)
- › Populations dynamic (Theoretical models, Allee effect)
- › Genetics (PCR), Molecular biology (HPLC)

EXPERIENCE:

January-June 2017 › **WORK PLACEMENT (6 month) at MARine Biodiversity, Exploitation and Conservation (MARBEC), in Montpellier and Mayotte.**

Internship
6 months

Reference: Jehan-Hervé LIGNOT
Elliott SUCRE

Impact of sewage release on mangrove crabs' population: structural and ecophysiological approach

- › Evaluation of the impact of ammonia on a keystone specie of crab (*Neosarmatium meinerti*), in the experimental site of Malamani, Mayotte.
- › Cartography of crabs' density around the effluvium (R).
- › Experimental and field skills: breeding room, animals handling.
- › Laboratory analyses of the excretion and osmoregulation of crabs exposed to ammonia (biochemical analyses: respirometry, enzymatical assay).

July 2016 › **SUMMER SCHOOL in the Laboratory of Oceanography Villefranche-sur-mer (LOV), CNRS-UPMC.**

Summer School
3 weeks

Reference : Stéphane Gasparini
Jean Olivier Irisson

Multivariate analyzes for Marine Ecology

- › Identification of the frontal zone along a Ligurian transect by analyzing data of salinity and temperature.
- › Multifactorial data analyses (ordination, clustering), spatial and temporal process.
- › Use of the statistical software: R, TANAGRA, PAST3, GINKO.

May-June 2016 › **WORK PLACEMENT (2 month) in the Institute for Ecology and Environmental Sciences (IEES), UPMC, Paris.**

Internship
2 months

Reference: Sébastien Barot

Study of the different responses of wheat cultivars to earthworms.

- › Prediction of the response of wheat cultivars to earthworms by analyzing functional traits of wheat.
- › Microcosm experimentation.
- › Biomass measures and nitrogen content with DUALEX device.

2012-2016 › PRIVATE LESSONS

Tutoring in Science (Mathematics, Biology, Chemistry and Physics), Language (English).
High school level, 5 to 10h / week.

2014, 2015, 2017 › HARBOR WELCOMING AGENT (3 months x 3 summer) in Commercial Chamber of Nice Côte d'Azur

Seasonal harbor agent in the Natura 2000 zone of Golfe Juan.

Group work, classification of datas, valuation of the natural heritage among sailors in English, French and Italian.

OPERATIONAL SKILLS:

French › Native speaker

English › Advanced (International Baccalaureat)

Italian › Speaking and Writing

Softwares › **R** et **TANAGRA** (Statistics), **ArcGIS**, **QGIS** et **R** (Cartography)

INTERESTS:

Diving Licence Level 1 of French diving federation (PADI Open Water), Level 2 in progress.

Member of the redactors of the University of Nice Sophia Antipolis Journal.

Sailing, National level, Coach.

REFEREES:

Language referee › Veronique Charriere, Sorbonne University Pierre et Marie Curie, France.

Veronique.charriere@upmc.fr

Academic referee › Doctor Jehan-Hervé LIGNOT, MARBEC, Mayotte University.

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