PERSONAL INFORMATION

Andrea Silverj

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Skype: fistas1993

Sex: Male | Date of birth: 26/03/1993 | Place of birth: Rome | Nationality: Italian

CURRENT POSITION

PhD student in Agrifood and Environmental Sciences at the University of Trento

EDUCATION AND TRAINING

March 2018 - March 2019

Internship at Fondazione Edmund Mach
Agrarian Entomology laboratory of Fondazione Edmund Mach
Supervisor: Omar Rota-Stabelli

▪ Molecular evolution
▪ Arbovirus
▪ R and Python programming

October 2016 - March 2019

Master of Science in Evolutionary Biology - magna cum laude
University of Padova, Italy
Thesis title: "An evolutionary analysis of codon usage bias in Zika virus to identify possible vectors and host"
Supervisor: Prof. Giuseppe Fusco

October 2012 - March 2016

Bachelor of Science in Biological Sciences - magna cum laude
University of L'Aquila, Italy
Thesis title: "Aging in vertebrates: an evolutionary point of view"
Supervisor: Prof. Adriano Angelucci

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
C1	C2	C1	C1	C1
IELTS Academic – Overall score 7.5 (C1)				

English

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ Good communication skills gained through my experience in presenting at conferences and workshops

Position-related skills	▪ Knowledge of molecular evolution of viruses

Digital and computer skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
Digital competences - Self-assessment grid

▪ Advanced command of Microsoft Office™ tools

▪ Good knowledge of Windows/Linux/MacOS operative systems

▪ UNIX shell scripting

▪ Knowledge of R and Python programming languages; Biopython toolkit

▪ Software applications: BEAST2, PhyloBayes, Mr. Bayes, MEGA, FigTree, BioEdit, MAFFT, RDP4, CodonW, GCUA, CaiCal, Mesquite, Chimera, MorphoJ, QGIS

Scientific interests	▪ Evolutionary theory, virology, phylogenomics, metagenomics, evo-devo, philosophy of biology

Other skills	▪ Teaching abilities (I taught undergraduates and graduates in informal situations) ▪ Playing electric guitar, sometimes on stage ▪ Passion for ancient Greek-Roman philosophy, especially Stoicism

Driving licence	B

ADDITIONAL INFORMATION

Presentations	▪ August 2017 - 7th SIBE/ISEB (Italian Society for Evolutionary Biology) congress - Poster presentation: "404 error: (evolutionary) page not found" 4th place among 42 posters registered to the SIBE/ISEB poster competition ▪ July 2018: XI European congress of entomology - Poster presentation: "Using codon usage bias to investigate the role of alternative vectors in the spread of Zika " ▪ September 2019 - 8th SIBE/ISEB (Italian Society for Evolutionary Biology) congress - Oral presentation: "Codon usage indicates that amphibians, reptiles and birds are major hosts for Zika and other arboviruses: implications for epidemiology and surveillance"
Conferences	▪ September 2018 - 2nd international conference on Biotremology, Riva del Garda ▪ April 2019 - EuroScitizen WG5 Meeting, Paris
Workshops	▪ September 2018 - Workshop at the University of Bologna: "Invasive insects and social behaviour: an evolutionary approach" - Flash talk: "Codon usage in Zika to study alternative vectors and hosts"
Memberships	▪ Member of the Society for Molecular Biology and Evolution ▪ Member of the Italian Society for Evolutionary Biology
Summer schools	▪ July 2017 - Summer Stoic School in Rome with Massimo Pigliucci ▪ August 2019 - SIBE/IRSAE summer school, Trento: "Bridging phylogeny and population genetics: inferring divergence and selection at both interspecies and intraspecies level"
Outreach	▪ European Researcher's Night at the MUSE Science Museum in Trento - Outreaching the behaviour of *Drosophila suzukii*

Prizes	▪ September 2019 - 8th SIBE/ISEB (Italian Society for Evolutionary Biology) congress
	- Winner of the "Golden Charley prize" ("Il Carlino d'oro") for the best creative performance in the outreach of Evolutionary Biology

Volunteering	▪ July 2016 - September 2016: Workaway volunteering in Ireland (Castlemaine, County Kerry)