

Curriculum Vitae

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Date and place of birth: 21/02/1995, Lisbon, Portugal

Family status: Single

Nationality: Portuguese



Publications:

[book] Silva, A. *This is consciousness, The no-BS story of what it is to be you*, Humana (2020), (in press)

[book] Silva, A. *Carne Esperta, Os segredos de nossa inteligência*, Temas e Debates (2020), (in press)

[screenplay] Silva, A. *Ignota*, ICA (2019)

[screenplay] Silva, A. *A Viagem*, Meio-circulo (2013)

[paper] Silva, A., Pereira, J. *CRISPR nos métodos para editar o genoma*, Molecular Biology UL (2016)

[paper] Silva, A., Gonçalves, B., Rafael, P., Rosas, M. [Compartimentação de vias metabólicas](#), Molecular Biology UL (2016)

[poster] Silva, A. Garcia effect through operant learning in *Drosophila*, UK Regensburg Annual Meeting (2018)

[poster] Silva, A. *5-HT: Quando a serotonina passa a barreira hematoencefálica*, PI Conference (2015)

University Education:

Oct/16 – Jun/18, **Clinical Neuroscience** M. Sc., University of Regensburg (Germany).

- Embriology, Neurodevelopment, Neuroanatomy, Stem cells, Memory, Learning, Plasticity, Histology, Anesthesiology, Pain, Depression, Anxiety, Schizophrenia, Alzheimer's, Parkinson's, Pharmacology, Oncology, Glia, Behavior, Addiction, Perception, Sensory processing, Olfaction, Taste, Hearing, Vision, Touch, Interoception, Proprioception, Attention, Sleep, Social interaction, Techniques: MRI, PET, CT, MEG, Angiography, Electrocardiography, Optogenetics, EEG, TMS, IR-spec. Developed Garcia effect assay in *Drosophila*, TMS tinnitus patient clustering algorithm, etc.

Oct/13 – Jul/16, **Biochemistry** B. Sc., University of Lisbon (Portugal).

- NF- κ B signalling pathway using (HeLa cell culture) western blot, immunocytochemistry, and computational modelling.

- Metabolomics, using FTICR Mass Spectroscopy.

- Computational modelling of metabolic pathways (using ODEs), for inflammatory diseases simulations.

- Virtual analysis of proteins and protein folding.

- Analysis of microbiological components in public water supply (at the Portuguese Laboratory of Civil Engineering).

- Scientific review on the implementation of a treatment for type 1 Diabetes based on microcapsules made from modified alginate (promising endeavour, still under development by the chief labs at MIT – Dr. Langer and Dr. Anderson).

- Serotonin reuptake inhibitors, with the cooperation of Champalimaud Centre for the Unknown.

- Bioethics, poles and meetings, regarding new advances on genetic engineering techniques (namely on CRISPR-Cas), bringing science and society on a joint discussion at UL.

Secondary Schooling:

Sep/12 – Jul/13, 12th grade (h.s. diploma), Science and Technology, E. S. Rainha Dona Leonor (Lisbon, Portugal).

Sep/10 – Jul/12, 10th and 11th grades, E. S. Lumiar (Lisbon, Portugal).

Vocational Education:

Jan/17 – Aug/17, Animal experiments, surgery and sedation/anesthesia (FELASA accreditation), Klinikum Regensburg (Germany).

Jan/16 – Apr/16, Python programming course, IST (Portugal).

Nov/15 – Dec/15, Advanced life support, INEM (Portugal).

Oct/12 – Jan/13, Multimedia and videography, Universidade Lusófona (Portugal).

Aug/09 – Jun/10, Classical music, Academia de Música de Lisboa (Portugal).

Online Education:

May/18 – Jul/18, MOOC on Gamification, Kevin Werbach (USA).

Jun/17 – Sep/17, MOOC on Corporate Finance, Columbia University (USA).

Jun/16 – Sep/16, MOOC on Digital Marketing, Wharton (USA).

May/16 – Aug/16, MOOC on Computer Science, Harvard and Yale (USA).

Jun/15 – Oct/15, MOOC Jazz Theory, University of Texas (USA).

Sep/14 – Oct/15, MOOC on Behavioural Medicine, Karolinska Institutet (Sweden).

Jan/14 – Oct/14, MOOC on Nutritional Science, Wageningen University (Netherlands).

Work Experience:

Sep/19 – , Private Tutoring, Higher Education (Biochemistry, Molecular Biology, Enzymology, Organic Chemistry, Physics, Neuroscience, Calculus, Philosophy).

Sep/19 – , Neuroscience Research, 3rd party influence on classical Hebbian memory (IMM, Portugal).

Jun/19 – Sep/19, Pool Barman, Olissippo Lapa Palace***** (Lisbon, Portugal).

Jan/19 – Aug/19, Project manager, Personzone (promoting the top experts, web-platform and FCSH sociology thesis).

Jan/18 – Dec/18, Neurology internship, TMS characterization of tinnitus patients, Berthold Langguth lab (Regensburg University-Hospital, Germany).

Oct/17 – Dec/17, Neurology internship, MRI patient assistant and pipeline data analysis development, Jens Schwarzbach (Regensburg University-Hospital, Germany. Germany).

Jun/17 – Oct/17, Technical product manager, Psychological assessment of refugees, smartphone application and back-end clinical processing development, Psychology department (Regensburg University, Germany).

Mar/17 – Jun/17, Psychology internship, Virtual reality in psychological therapy, Youssef Shiban Lab (Regensburg University, Germany).

Feb/17 – Mar/17, Pathology internship, Neurosurgery biopsies, Histopathology department, Peter Hau (Regensburg University-Hospital, Germany. Germany).

Nov/16 – Feb/17, Neuroscience internship, Food choice flexibility in *Drosophila*, Björn Brembs Lab (Regensburg University, Germany).

Jun/16 – Sep/16, Organic chemistry technician, Hovione (Lisboa, Portugal).

Mar/15 – May/16, Real Estate sales associate, Vacation apartments rentals (Leiria, Portugal).

Sep/14 – Jul/15, Marketing department, Portuguese Association of Biochemistry (Coimbra, Portugal).

Jan/13 – Jun/13, Screenwriter, Meio-círculo studios + Wedding Videographer, freelancer (Torres Vedras, Portugal).

Dec/12 – Jan/13, Pastry-cook, Pastelaria Filipe (Lisbon, Portugal).

Jun/10 – Aug/10, Waiter, Capuchino Suíço (Lisbon, Portugal).

Community Service, etc.:

Aug/19 – Aug/19, Volunteer, Caminhada sénior, CM Loures (Lisbon, Portugal).

Aug/16 – Nov/16, Volunteer, Web Summit (Lisbon, Portugal).

Mar/16 – Mar/16, Volunteer, International Fair of Lisbon (Lisbon, Portugal).

Feb/16 – Aug/17, Volunteer, Portuguese Youth Foundation (Lisbon, Portugal).

Jan/15 – Feb/15, Board member, Portuguese Higher Education Evaluation and Accreditation Agency, Portuguese Ministry of Education (Lisbon, Portugal).

Jun/14 – Oct/14, *Pro bono* tutor of high-school students (Lisbon, Portugal).

Mar/14 – Apr/14, Organizer, Chemistry Olympiads of the University of Lisbon (Lisbon, Portugal).

Sep/10 – Jul/12, Volunteer, Lisbon Cerebral Palsy Association (Lisbon, Portugal).

Special Skills and Interests:

Languages: English (+++), Portuguese (+++), German (+), French (+), Spanish (+).

Computer skills: Python, Matlab, R, PostgreSQL, Power BI, MS Office (Excel, Powerpoint, Onenote, Word), Video editing (Adobe Premiere, Adobe After Effects), Adobe Audition, Adobe Photoshop, Adobe Illustrator, Google Sketchup, AutoCAD, SPSS.

Personal skills and hobbies: Playing the piano, learning, writing, creativity, systems thinking, making models, teamwork, motivation, *sui generis* public presentations, cooking, scientific/medical papers and meetings, books, medical imaging, entrepreneurship, documentaries, wedding videography, philosophy, gardening, thinking, activities with children, tutoring, physical exercise activities with the elderly, conversation, animals, theatre, live music, hiking, jogging, swimming, volleyball, basketball, DIY.

