

Rafael Esteves

Biomedical Researcher

Personal Info:

Nationality: Portuguese
 Birth Date: 06/03/1993
 Address: Lisbon
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Professional Internship: Eligible

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About Me

I have scientific and pedagogical training in several areas of research, such as Cellular and Molecular Biology, Biochemistry, Genetics, Pharmacology, Neurobiology, Neuroscience, among others in the field of Biology and Neurosciences. I also have theoretical and practical training in various wet laboratory techniques. I also have theoretical and practical knowledge in constructing a cognitive and behavioral study research design and implementation, having worked with fMRI, EEG, ECG and Eye-tracking data collection, as well as statistical analysis of behavioral and neurophysiological data. I am motivated, cooperative, hardworking, organized, and curious, always open to acquiring new knowledge and skills. I always give my best effort in all the functions that I perform, to achieve the established objectives that I am given.

Education and Training

- | | |
|--------------------|---|
| 09/2018
03/2021 | <p>Master's in Biopharmaceutical Sciences Score 18/20
 Faculdade de Farmácia da Universidade de Lisboa</p> <ul style="list-style-type: none"> • Master Thesis in Neurosciences at Dr. Diana Prata Laboratory at IBEB – FCUL: “Effects of intranasal oxytocin administration on the salience of social stimuli: A pupillometry study” – Thesis score: 19/20. • Worked as an intern at Dr. Diana Prata Laboratory during the thesis year, doing other work besides the thesis that ranged from inventory management, participant recruitment, biological sample collection, pre-processing and storage, neurophysiological data collection, pre-processing (Python) and analysis, research project experimenter, among other work. |
| 09/2013
07/2016 | <p>Bachelor's in Biomedical Sciences Score 16/20
 Universidade Católica Portuguesa</p> <ul style="list-style-type: none"> • Seminar Project: “Evaluation of the Quality of Saliva Samples for Storage in Biobanks”. Project with the purpose of verifying the best method of saliva collection and which procedures of processing and cryopreservation should be performed to better use saliva samples. • Participation in other projects during the Seminar class, such as checking the degree of solubility in saliva of collagen membranes and collecting saliva samples during the “Atividade Senior” project for use in future studies. |

Experience

- | | |
|--------------------------|---|
| 24/03/2021
Ongoing | <p>Research Grant – Biomedial Neuroscience Lab (Diana Prata's Lab)
 Instituto de Biofísica e Engenharia Biomédica – Faculdade de Ciências da Universidade de Lisboa</p> <ul style="list-style-type: none"> • Continue to work on the research project related to the social effects of oxytocin, through data collection and the subsequent analysis of eye-tracking and behavioral data, with the final goal of finishing my paper on this subject. • Continue to work on other ongoing projects and other aspects of lab work that I previously worked on during my thesis/internship, whilst also improving my previously acquired knowledge and attaining new knowledge, related to neurophysiological data collection and analysis. |
| 07/10/2016
17/02/2017 | <p>Curricular Internship - SalivaTec Laboratory
 Universidade Católica Portuguesa – Viseu</p> <ul style="list-style-type: none"> • Responsible for the collection, processing, and storage of saliva samples in the Biobank. Continuation of the collection of saliva samples from the “Atividade Senior” project for use in future projects. • Realization of several laboratory techniques in different ongoing projects, such as Multiplex Assay, Capillary Electrophoresis and PCR. This internship allowed me to put into practice the techniques I already knew, consolidating my knowledge of these, and contributed to strengthen my critical thinking and teamwork. |
| 12/2016
01/2017 | <p>University Extension Activities for High school Students - SalivaTec Laboratory
 • Universidade Católica Portuguesa</p> |
| 14/10/2016
15/10/2016 | <p>Workshop – Research and Innovation in Saliva Applications - SalivaTec Laboratory
 • Universidade Católica Portuguesa</p> |

Panel and Oral Communications

- 03/2016 | **Saliva Sample Collection and Processing for Storage in SalivaTec's Repository |**
VII Jornadas de Ciências Biomédicas, 2016
- Winner of the panel presentations contest.
- 03/2016 | **Quality Control of Saliva Samples for Storage in the Biobank**
VII Jornadas de Ciências Biomédicas, 2016
- Winner of the oral presentations contest.
- 03/2016 | **Evaluation of the Quality of Saliva Samples for Storage in Biobanks**
VII Jornadas de Ciências Biomédicas, 2016
- Winner of the oral presentations contest.

Skills

- **Proteomics:** Gel and Capillary Electrophoresis/Multiplex Assay/Western Blot/HPLC /Mass Spectrometry
- **Genetics:** DNA Extraction and Isolation/Gel and Capillary Electrophoresis
- **Microbiology:** Bacterial Isolation/Cell Culture
- **Histology:** *Ex-vivo* Mice Brain Dissection/Histological Cuts Preparation/Microscopy
- **Bioinformatic Tools:** PubMed/Cytoscape/Uniprot/Blast/Panther
- **Informatics Expertise:** Microsoft Word, Excel and Power Point/Endnote/SPSS/Programming in Python-Pandas (beginner)
- **Neuroscience Data Collection and Analysis:** fMRI/EEG/ECG/Eye-tracking (main are of expertise)
- **Project Management:** Inventory Management/Research Design/Participant Recruitment/Project Experimenter

Languages

	Oral Comprehension	Reading	Writing	Oral Production	
English	C1	C1	C1	C1	Cambridge First English – C1

Extra-Curricular

Student Positions

- Member of the Seniors Committee of the Universidade Católica Portuguesa – 2015-2016
- Class Representative of Biomedical Sciences Degree – 2013-2016
- Member of the Computer Engineering Students Nucleus – 2011-2012

Part-Time Work

- Ticket Office – Oceanário de Lisboa – 05/03/2019-09/03/2019
- Store Clerk – LIDL – 03/05/2018-02/09/2018
- Home True Sushi Viseu – 05/03/2017-02/09/2018
- Costumer Service – Sonae Continente – 03/04/2017-02/10/2017
- Cashier – FNAC (Viseu) – 07/12/2016-31/12/2016
- Pavilhão Multiusos Host – Expovis (Viseu) – 08/2011-09/2011 e 08/2012-09/2012
- Guard in Grão Vasco Museum – IPJ (Viseu) – 08/2010-09/2010

Volunteering

- “Banco Alimentar” Project – Food drive
- Red Cross – Food and funds drive
- INATEL Disaster and Humanitarian Relief - Goods Manager

Trainings

- First Aid - 12/01/2018-25/01/2018

References

Diana Prata | Assistant Professor - FCUL
diana.prata@kcl.ac.uk

Isabel Rivera | Associate Professor with Aggregation - FFUL
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