



JOANA ISABEL SILVA RODRIGUES

- June 6th, 1994
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EDUCATION

- › **PhD Student in Microbiology: Cell Biology of Metal Toxicity**
Department of Chemistry and Molecular Biology, University of Gothenburg, Sweden
Nov 2017 - present
- › **Master's Degree in Molecular Genetics and Biomedicine**
Faculdade de Ciências e Tecnologia, Universidade Nova de Lisboa, Portugal
Sep 2015 – Oct 2017
- › **Bachelor's Degree in Genetics and Biotechnology**
Universidade de Trás-os-Montes e Alto Douro, Portugal
Sep 2012 – Jul 2015

SCIENTIFIC EXPERIENCE

Internships

- › Master thesis internship at the Cell and Molecular Neuroscience Unit at CEDOC, NOVA Medical School. *Dissecting the role of alpha-synuclein phosphorylation in Parkinson's Disease*. Under the supervision of Dr. Sandra Tenreiro September 2016 – October 2017
- › Internship at the Medical Microbiology Lab and Functional Genomics and Proteomics Lab at Universidade de Trás-os-Montes e Alto Douro. *Molecular characterization of antibiotic resistance in Staphylococcus spp. isolated from wild rabbits (Oryctolagus cuniculus)*. Under the supervision of Dr. Gilberto Igrejas and MSc Margarida Sousa January 2015 - June 2015

Poster publications

- › Rodrigues, Joana; Sousa, Margarida; Columbano, Beatriz; Correia, Vanessa; Silva, Nuno; Rodrigues, Tiago; Rodrigues, Marisa; Neves, Raquel; Poeta, Patrícia; Igrejas, Gilberto. *Staphylococcus spp. isolated from wild rabbits in the Azores: phenotypic and genotypic characterization*. March 2015. VII Genetics and Biotechnology Lectures, UTAD.
- › Correia, Vanessa; Sousa, Margarida; Rodrigues, Joana; Columbano, Beatriz; Silva, Nuno; Rodrigues, Tiago; Poeta, Patrícia; Igrejas, Gilberto. *Can we find antibiotic resistance genes in broadspectrum Escherichia coli carrying β -lactamases strains isolated from migratory birds?* March 2015. VII Genetics and Biotechnology Lectures, UTAD.
- › Columbano, Beatriz; Sousa, Margarida; Rodrigues, Joana; Correia, Vanessa; Igrejas, Gilberto; Silva, Nuno; Rodrigues, Tiago; Poeta, Patrícia. *Phenotypic and genotypic characterization of Staphylococcus spp. isolated from little wild mammals from Azores*. March 2015. VII Genetics and Biotechnology Lectures, UTAD.

Oral presentations

- › *Dissecting the role of alpha-synuclein phosphorylation in Parkinson's Disease*. February 2017. Interim Lectures of Annual Dissertations of the Masters of the Departments of Chemistry and Life Sciences 2017, FCT-UNL

PERSONAL SKILLS

Job related skills

Good laboratory practice acquired during practical classes in both bachelor's and master's degree and during both internships. Experience in: microbiology, in particular using yeast as a model organism (i.e. manipulation, growth and transformation); Western Blot; fluorescence microscopy; and molecular biology techniques such as cloning, Gateway recombination technique and site-directed mutagenesis.

Organizational skills

Great organizational and leadership skills acquired in two terms of the ADNGB (Genetics and Biotechnology Student Association) as 2nd Secretary of the Board Meeting (first year) and as President of the Board Meeting (second year), as well as the President of the Electoral Commission during the 2015/2016 elections. These skills were also explored during the organization of the following events:

- › II Biotechnology Students' National Meeting (UTAD, 2014)
- › VI Genetics and Biotechnology Lectures (UTAD, 2014)
- › VII Genetics and Biotechnology Lectures (UTAD, 2015)
- › Interim Lectures of Annual Masters Dissertations of the Departments of Chemistry and Life Sciences 2016 (FCT-UNL, 2016)

Informatics skills

Excellent expertise of the tools provided by Microsoft Office, namely Word, PowerPoint, and Excel. Some competence in simple website creation software's acquired in Computer Applications classes and during the organization of the VII Genetics and Biotechnology Lectures.

Competence in some bioinformatic programs, acquired in Bioinformatic and Molecular Analysis classes. During MSc research project and internships, I acquired expertise in several scientific softwares such as Zeiss Zen Microscope Software, Fiji - ImageJ, ImageLab, Chromas Pro, Finch TV, GeneDoc; and in statistical software such as GraphPad Prism 6.

ADDITIONAL INFORMATION

Languages

Portuguese (mother language), English and basic knowledge of Spanish.

Activities

- › Volunteer in ReFood | Stop Waste – Feed People, São Domingos de Benfica, Lisbon February 2017 – September 2017
- › Volunteer at NOVA Medical School Open Day – Science Communication event for 12th grade students. March 2017