

## **Ana Regina De Abreu**

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### **BIOGRAPHY**

Ana Regina obtained a bachelor's degree in Biomedical Sciences at the University of Antwerp in 2018. In 2016-2018 she followed an additional Honours College program. Currently she is doing her second year of master's degree in Molecular and Cellular Biomedical Sciences, at the University of Antwerp. She will do her master thesis at Université Paris Descartes, under the supervision of Valérie Taly.

### **CURRICULUM VITAE (updated Oct. 2019)**

#### **ACADEMICS**

- 2018-now     Master Molecular and Cellular Biomedical Sciences
- 2015-2018    Bachelor of Biomedical Sciences, University of Antwerp (Great Distinction)
- 2016-2018    Honours College
- 2009-2015    Latin-Mathematics-Sciences, De Dames van het christelijk Onderwijs, Antwerp

#### **RESEARCH EXPERIENCES**

- 2018    Bachelor thesis: Evaluation of epigenetic response to ferroptosis modulator compounds in cancer cells (PPES lab: Protein chemistry, Proteomics and Epigenetic Signaling)
- 2017    Honours stage thesis: S-Nitrosylation of proteins in human saliva (PPES: Protein chemistry, Proteomics and Epigenetic Signaling)

#### **LABORATORY SKILLS**

Immunochemistry/Biochemistry: ELISA, Bradford protein assay/Centrifugation, salt precipitation, salt exchange chromatography, SDS-PAGE, Western blot, gel electrophoresis, fluorometry

Cell culture: Start with a primary cell culture, count cells, determine the viability and cytotoxic effect of DMSO on the cell line.

Molecular biology and genetics: Clone a plasmid vector chemo-competent bacterium, salt precipitation, spectrophotometry, agarose gel electrophoresis, PCR-amplification, plasmid isolation.

Segregation analysis: gradient-PCR, Q-PCR and RFLP-PCR

Proteomics: protein extraction, chemical modification and cleaving of proteins, reverse phase chromatography, Edman degradation, affinity-chromatography, (ion mobility) mass spectrometry

## **LANGUAGES**

Dutch (native tongue)

Portuguese (excellent)

English (very good)

French (good)

## **OTHERS**

Hobbies: playing flute and piccolo at Chamber Orchestra

Work experience:

- Hostess | Antwerp Symphony Orchestra
- Receptionist | Bluepoint
- Catering | Tomorrowland