

Biotechnologist

# ANA CAROLINA CÁRDENAS FIGUEROA

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## Professional Summary

I focused my career toward biomedical research and now I am interested in new opportunities within medical, academicals or industrial applications of biotechnology or other biological sciences. I have experience in molecular biology techniques within biomedical research. I just finished my Master degree in Medical Molecular Biology at University of Buenos Aires (UBA). In coming weeks I will present my research project which I developed in Instituto de Investigación en Biomedicina de Buenos Aires (IBioBA). CONICET- Partner Institute of Max Planck Society.

## Experience

**Nov. 2017 Dec 2019:**

**Master Research**
IBioBA- CONICET- Partner Institute of Max Planck Society

Worked as a Research in the study and characterization of a transgenic mouse for gen called RSUME. The aim of this research was to gain understanding of the function of RSUME gen and its role in different pathologies.

**Activities:**

- Molecular Biology Techniques (DNA, RNA and Protein extraction, Western Blot, PCR, qPCR).
- Work with animal models (generation of transgenic mouse, breeding, genotyping, dissection and tissue processing).
- Scientific results analysis.

**Skills:** planning and developing experiments in order to obtain optimal results, using of bioinformatics tools, primer design.

Nov. 2015
Jul. 2017

**Technical Assistant**
La Condamine High School, Quito-Ecuador.

**Activities:**
- Preparation of laboratory practices (biology, physics and chemistry).
- Purchase of chemical reagents and laboratory equipment.

**Skills:** team- working , planning and organization of laboratory protocols

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Abr. 2015
Jul. 2015

**Teaching Assistant in Genetic Engineering subject**

Universidad De Las Américas, Quito-Ecuador.
Worked as a Teaching Assistant specially in recombinant DNA technology
**Activities:**
- Preparation of scientific practices for teaching biotechnology undergraduate students.
- Scientific dissertations for students.

**Skills:** Scientific teaching ,good communication with students.

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May. 2014
Mar. 2016

**Undergraduate Research**
Instituto De Investigaciones Biomédicas (IIB) of Universidad De Las Américas, Quito- Ecuador

Worked as a Research in the study of a relation between molecular variants and flavors perception in Ecuadorian population.

**Activities:**
- Molecular Biology Techniques (PCR and Sanger sequencing)
- Cytogenetic techniques
- Developing of undergraduate Thesis research

# Education

Jun 2016 — **Biotechnology Engineer.**
Universidad de Las Américas (UDLA), Quito- Ecuador

At present — **Master in Medical Molecular Biology**
University of Buenos Aires (UBA)

# Languages

ENGLISH — **B1**
International House, Cambridge English, Quito.

FRENCH — **DELF B2**
Alliance Française, Quito.

## Supplementary Education

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| May 2019 | Scientific Advisory Board \| Member of the evaluated group.<br>IBioBA. CONICET- Partner Institute of Max Planck Society, Argentina, CABA. |
| Sept. 2018 | Frontiers in Bioscience 3<br>IBioBA. CONICET- Partner Institute of Max Planck Society, Argentina, CABA. |
| May 2018 | Workshop IBioBA 2018: Neurobiology Perspectives<br>IBioBA. CONICET- Partner Institute of Max Planck Society, Argentina, CABA. |
| Mars 2018 | Training for the care and use of laboratory animals<br>Facultad de ciencias exactas y naturales (FCEYN) of University of Buenos Aires (UBA), Argentina, CABA. |
| August 2017 | 72° Congreso Argentino de Bioquímica<br>Asociación Bioquímica Argentina, Argentina, CABA. |
| Jun 2017 | XVII Congreso Nacional De Biotecnología Y Bioingeniería<br>Sociedad Mexicana de Biotecnología y Bioingeniería, Puerto Vallarta-México. |
| October 2016 | FISH Metodology, Probe Design And Practical Study<br>Universidad San Francisco de Quito. |
| September. 2016 | Primers Design, In Silico Validation And PCR Troubleshooting<br>Universidad San Francisco de Quito. |
| July 2016 | V Congreso De Genética Humana<br>Universidad de Las Américas, Quito. |
| July 2016 | I Congreso De Biotecnología Y Encuentro Nacional De Estudiantes De Biotecnología<br>Escuela Superior Politécnica de Chimborazo, Riobamba. |
| Mars 2016 | Biology of stem cells<br>Universidad San Francisco de Quito. |
| July 2016 | Novel Approaches In Biomedical Science 2015: Immunology.<br>Universidad de Las Américas, Quito. |

## References

**Dr. Eduardo Arzt**
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