



BENJAMÍN LUNA CALLEJAS

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EDUCATION

- ❖ **PhD student in Biomedicine and Molecular Biotechnology**, January 2020-present, Instituto Politécnico Nacional, Zacatenco, Mexico City.
- ❖ **M.Sc. in Biomedicine and Molecular Biotechnology** summa cum laude, December 2019, Instituto Politécnico Nacional, Zacatenco, Mexico City. Thesis project: LAMP off chip implementation in a microfluidic droplet as a system to detect *Mycoplasma* spp. related to cell culture.
- ❖ **B.S. in Biochemical engineering** summa cum laude, December 2016 Instituto Politécnico Nacional, Zacatenco, Mexico City. Thesis project: Evaluation of salt bile hydrolase activity of *Lactobacillus brevis* LB9H in different carbon sources.

WORK AND VOLUNTEER EXPERIENCE

MY World México, Ambassador of Mexico City, Mexico City, 2020-present.

- ❖ To promote actions for the monitoring of 2030 Agenda for sustainable development.
- ❖ To create social projects to comply with Sustainable Development Goals.

Hult Prize IPN, Ambassador of ENCB, Mexico City, 2020-present.

- ❖ To design functional foods by using agro-industrial residues and technologies to improve Mexican health.

Hub Ciencia Emprende, Founder and CEO, Mexico City, 2020-present.

- ❖ To promote scientific innovation and the transfer of technology in young scientists to generate companies by their scientific research and new technologies.

JA Alumni México, Member, Mexico City, 2017-2020

- ❖ To promote the entrepreneurship environment in young people and faced local problems by social projects to turn the world into a better place.

1 Millón de jóvenes por México, Coordinator, State of Mexico, 2013-2016

- ❖ To promote the citizen participation in mexican politics and decreased the apathy of young people about it.
- ❖ To develop social projects focused on basic values/principles in mexican children.

GRANTS AND AWARDS

- ✓ Allbiotech, Rosario City, Argentina, 2020-present, Awarded as part of the Third Generation of Young Biotechnology Leaders in Latin America.
- ✓ Hults Prize Regionals, Toronto City, Canada, 2020-present, Finalist team with “DendriLab technologies company”.
- ✓ Líderes Socialmente Responsables, Mexico City, Mexico, 2018, Third place with social project called “Contrato Ciudadano”.

RESEARCH AND TEACHING EXPERIENCE

Research Intern, Laboratory of Genetics at Centro de Investigación en Alimentos y Desarrollo, Hermosillo, Sonora, June - August 2016.

- ✓ Researching project: “Characterization and expression gene of cytochrome c oxidase subunit 7a transcript from white shrimp *Litopeneus vannamei*”.

Research Intern, Laboratory of Quantum Chemistry at Universidad de Guadalajara, Guadalajara, Jalisco, June - August 2014.

- ✓ Researching project: “Calculate of reduction potentials of chemical species in aqueous solution for the development of new batteries applying quantum chemistry”.

Teaching coordinator, Laboratory of Environmental Cytopathology at Instituto Politécnico Nacional, Mexico City, August - December 2019.

- ✓ To coordinate weekly thesis projects presentations of the Bachelor’s degree and postgraduate students of the Laboratory of Environmental Cytopathology. I helped students to prepare their thesis projects presentations and abstracts by reviewing Science Communication course.

Languages: English B1.

SKILLS AND EXPERTISE

- ✓ Leadership
- ✓ Scientific innovation
- ✓ Social Entrepreneurship
- ✓ Event Planning
- ✓ Partnerships
- ✓ Sustainable Development