

CURRICULUM VITAE

Marco Antonio Pereyra Camacho, M.Sc.

PhD Student - Department of Molecular Biology

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Educational qualifications

In progress. Ph. D. in Molecular Biology from Institute for Scientific and Technological Research of San Luis Potosi (IPICYT). Thesis "Bacterial biodegradation of endocrine disruptors (phthalate esters and bisphenol A): molecular characterization and optimization". San Luis Potosi, Mexico.

2016. M. Sc. in Molecular Biology from Institute for Scientific and Technological Research of San Luis Potosi (IPICYT). Thesis "Design of an expression system of recombinant proteins of influenza A (H7N9) virus in *Bacillus subtilis*". San Luis Potosi, Mexico.

2013. B. Sc. in Biotechnology Engineering from Sonora Institute of Technology (ITSON). Thesis "Genetic analysis of avocado (*Persea americana* Mill) collections with high nutritional content in their fruits". Cd. Obregon, Mexico.

Work experience

2020. ALLBIOTECH. Chief operating officer, COO. Allbiotech, a non-profit aiming to promote biotech development in Latin America.

2018 – to the date. LabGeek. Co-founder and Director of the Education Program. LabGeek offers educative, fun and interactive activities to help kids and teenagers learn science, technology, engineering, and math.

Skills and Expertise

Molecular biology techniques (DNA isolation, PCR, electrophoresis), microbiology, bioremediation, GC-MS, bacterial transformation, expression of recombinant proteins, design of experiments, analytical chemistry and instrumental techniques.

Awards

- **2018.** Young leader in Biotechnology in Latin America. Second generation Allbiotech.
- **2017.** Selected for PhD program. Received monthly scholarship by National Council of Science and Technology for four years.
- **2014.** Selected for M. Sc. Molecular Biology program. Received monthly scholarship by National Council of Science and Technology for two years.

Presentations at Conferences

1. **Marco Antonio Pereyra-Camacho.** BioHacking: Do It Yourself Biology. 8th Biotechnology Week of Sonora Institute of Technology (ITSON). 2020. Cd.Obregon, Mexico.
2. **Marco Antonio Pereyra-Camacho.** Phthalates: a silent threat. 7th Biotechnology Week of Sonora Institute of Technology (ITSON). 2019. Cd.Obregon, Mexico.
3. **Marco Antonio Pereyra-Camacho,** Victor E. Balderas-Hernández, Antonio De Leon- Rodríguez. Bacterial biodegradation of endocrine disruptors di-(2-ethylhexyl) phthalate and di-isononyl phthalate. XXXII National Congress of Biochemistry. 2018, Ixtapa Zihuatanejo, Gro. Mexico.
4. **Marco Antonio Pereyra-Camacho,** Ayesha Peraza-Magallanes, Andres Navarro-Muñoz, Carlos L. Calderon-Vázquez. Expression of bioplastic synthesis genes in transformed *Chlamydomonas reinhardtii*. 2nd National Congress of Biotechnology and Food Sciences. Sonora Institute of Technology (ITSON). 2013. Cd.Obregon, Mexico.
5. **Marco Antonio Pereyra-Camacho,** Ruth Mejia-Armenta, Manuel Jimenez-Leyva, Ayesha Peraza-Magallanes, Andres Navarro-Muñoz, Jesus Badillo-Corona, Carlos L. Calderon-Vázquez. Genetic analysis of avocado (*Persea americana* Mill) collections with high nutritional content in their fruits. 2nd National Congress of Biotechnology and Food Sciences. Sonora Institute of Technology (ITSON). 2013. Cd.Obregon, Mexico.

Publications

2017. Peraza-Magallanes, A. Y., **Pereyra-Camacho, M. A.,** Sandoval-Castro, E., Medina- Godoy, S., Valdez-Morales, M., Clegg, M. T., & Calderón-Vázquez, C. L. (2017). Exploring genetic variation, oil and α -tocopherol content in avocado (*Persea americana*) from northwestern Mexico. Genetic resources and crop evolution, 64(3), 443-449.