



Dr. Aarón Hernández Cid PhD in Analytical (Bio)-
Chemistry | Educator | Researcher | Technology

Contact Information

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Professional Experience

Full-Time Chemistry Professor and Education-Technology Consultant

Tecnológico de Monterrey, Campus Toluca | Jan 2019 – Jul 2022

- Designed of curriculum and delivered courses in organic chemistry, analytical chemistry, and physical chemistry.
- Guided small enterprises in research proposal writing and grant applications, resulting in successful funding, see BioPlaster Research Inc below.
- Key achievement: Accepted as a Fellow of the Mexican Research System, recognizing significant academic contributions.

Chief Technology Officer

BioPlaster Research Inc. | Mar 2020 – Jul 2024

- Spearheaded research and commercialization of sustainable products derived from brown macro-algae, including patented biodegradable alginate foams under the Mexican patent MX/a/2023/005644.
- Participated in global accelerator programs, enhancing business acumen and technical expertise.
- Conducted life cycle assessments to evaluate environmental impacts of products and processes.

Bruker Sales Representative in Mexico

Diquevi SA de CV | 2024 – Present

- Representing cutting-edge NMR technologies, providing solutions to academic and industrial clients.

Educational Materials Developer

NMR School | 2023 – Present

- Developing innovative educational materials and training content for NMR spectroscopy.

Education

- 1. Doctorate in Philosophy in Chemistry, The University of Manchester, United Kingdom, 2013-2016.**
Skills in Nuclear Magnetic resonance.
- 2. Master in Bicochemical Sciences, Universidad Nacional Autónoma de México, México City, 2010-2012.**
Skills in X-ray Crystallography and protein purification with liquid chromatography.
- 3. Bachelor in Biology, Universidad de las Américas-Puebla, Cholula, Puebla, 2004-2008.**
Skills in Polymerase Chain Reaction and DNA purification.

Key Achievements

- Mexican representative at eMerge Americas Technology Conference, 2023.
- Secured \$200K investment for BioPlaster Research Inc. at GridX Ignite Program, 2020.
- Multiple awards for innovative research and pitch competitions, including 2nd Place in the Falling Walls Lab organized by the University of Manchester.

Publications

Title	Citations	Year
<u>Ribonucleases P/MRP and the expanding ribonucleoprotein world</u> A Hernandez-Cid, S Aguirre-Sampieri, A Diaz-Vilchis, A Torres-Larios IUBMB life 64 (6), 521-528	<u>25</u>	2012
<u>Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible matrix: a vanishing surfactant</u> GD Poggetto RSC advances 7 (1), 449-452	<u>15</u>	2017
<u>Matrix-assisted diffusion-ordered NMR spectroscopy with an invisible, tuneable matrix</u> A Hernandez-Cid, M Piekarska, RW Adams, M Nilsson, R Evans, ... RSC advances 7 (18), 10757-10762	<u>3</u>	2017
<u>Molecular Dynamics and Docking Simulations of Homologous RsmE Methyltransferases Hints at a General Mechanism for Substrate Release upon Uridine Methylation on 16S rRNA</u> A Hernández-Cid, J Lozano-Aponte, T Scior International Journal of Molecular Sciences 24 (23), 16722	<u>1</u>	2023