

Abraham Mauleon Amieva

Nanotechnology and Molecular Engineering Student

My personal interest in Nanobiotechnology is the research of novel complex materials. My contribution within Virtus-Parva, for our 2014 iGEM project, is the idea of using biomaterials coupled to magnetic particles for manufacturing of biocompatible magnetically controlled devices. Besides my scientific formation, I'm currently the President of the Civic Youth Council of Puebla; and one of my main goals is the Scientific dissemination among youth of the city.

Education

2010 - Present	Universidad de las Americas Puebla Nanotechnology and Molecular Engineering Baccalaureate
2008-2010	Puebla's Eastern Institute High School. Physicomathematician area

Academic & Labour Expertise

Jan-Jun 2011	UDLAP, Phytochemistry Lab Puebla, Pue. Biodiesel obtainment from vegetable seeds Biofuel procurement, from essential oils extracted from vegetable seeds. Distinct catalyts used to test yield
Sept-Nov 2013	UDLAP, Nanotechnology Lab Puebla, Pue. Vitamin-E Functionalized Nanofood: Anticancerigen in Vivo Activity Magnetic nanoparticles synthesis. Anticancerigen evaluation of Vitamin-E funcionalized magnetic nanoparticles in animal models
Jan-Jun 2013	UDLAP, Biotechnology Lab , Puebla, Pue. Microbial enzyme clonation Extraction, growth and nursing, of enzymes from bacteria
Jul- Nov 2013	UDLAP, Biotechnology Lab , Puebla, Pue. Pesticide degradation by bacteriological agents Extraction, growth and evaluation, of bacteria in a pesticide contained medium
Jan-Present , 2014	UDLAP-CIMAV, Electrocatalysis Lab , Puebla, Pue; Monterrey, N. L. Preparation of a Nanocomposite based on nanotubular TiO₂/Graphene Preparation and evaluation of the electrophotocatalytic properties of a nanocomposite
2014	iGEM 2014 Virtus-Parva_Mexico , Puebla, Pue. Manager The future of combat against diseases: the BioNEMS Drill
Jul-Present , 2014	Civic Youth Council of Puebla President Advisor of the City Government in Youth Policy

Congresses attended

Feb 2011-NanoBioMedic Meeting and Expo
Apr 2011-2nd National Science Meeting UDLAP
Apr 2012-3rd National Science Meeting UDLAP
Apr 2013-4rd National Science Meeting UDLAP



Contact

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Languages

Spanish – Native
English – C1
German – A1

Qualifications

Personality	Negotiation	<input type="checkbox"/>
	Rational	<input type="checkbox"/>
	Evaluative	<input type="checkbox"/>
	Leadership	<input type="checkbox"/>
	Inspiring Vision	<input type="checkbox"/>
	Teamwork	<input type="checkbox"/>
Software	Adaptability	<input type="checkbox"/>
	Microsoft Office	<input type="checkbox"/>
	Cadence Suite	<input type="checkbox"/>
	ChemDraw	<input type="checkbox"/>
	L-Edit	<input type="checkbox"/>
	Origin Pro 8	<input type="checkbox"/>
Instrumentation	Matlab	<input type="checkbox"/>
	UV – Vis Spectrophotometer	<input type="checkbox"/>
	Carey 100	<input type="checkbox"/>
	Shimadzu 1800	<input type="checkbox"/>
	NMR	<input type="checkbox"/>
	Varian Gemini 2000	<input type="checkbox"/>
SEM	Tescan Vega	<input type="checkbox"/>
	DLS	<input type="checkbox"/>
	Microtrac Nanowave	<input type="checkbox"/>