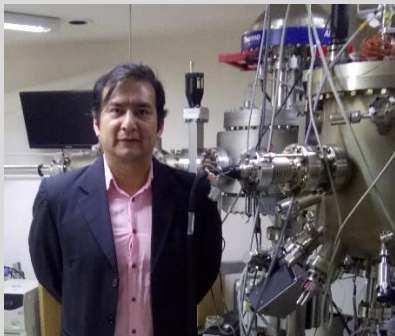


NANOSCIENCE AND NANOTECHNOLOGY PROGRAM

Salvador Gallardo-Hernández, PhD



Research Interests

- Ion – Matter Interaction.
- Growth and characterization of crystalline III-Vs devices.
- Developing of biotechnological methods for crystallization of proteins.
- Development of nanoparticles for early diagnostic of OV cancer.
- Development of delivery systems for antimicrobial peptides.

Dr. Gallardo-Hernandez is nowadays Professor at the Nanoscience and Nanotech Program of Cinvestav.

He completed his MSc and PhD at the Electrical Engineering Department of Cinvestav. He did his first post-doctoral training at Applied Physics Department of the Physics Institute, Sao Paulo University, Brazil, in the laboratory of Dr. Sergio Morelhao and two sort stances at LNLS (Laboratório Nacional de Luz Síncrotron); and at the Physics Department in the group of Dr. Lopez-Lopez. During this time, he developed a deep interest for crystallography and do a strong collaboration in developing self assembled monolayers in ferromagnetic epitaxial layers.

In 2014, he accepted an offer for a PI position at Cinvestav, Mexico City. Dr. Gallardo-Hernandez is author of more than 40 publications that start to receive citations. Dr. Gallardo has received as a consortium the first grant from Conacyt-Newtown found to develop his own unique lines of research on investigating the interaction of radiation with matter and developing of radiation detectors. Dr. Gallardo very recently has tried to apply solid state techniques like Raman spectroscopy, AFM and SIMS to the characterization of biological objects and started a strong collaboration with several groups of Biotech, Physiology and Infectomics departments. He is directing 3 PhD thesis.

Selected Honours and Awards

- CLAF Postdoctoral Fellow Award 2010-2011
- SNI I

Selected Funding

- In progress