

Biographical Sketch

Christian O. Álvarez Sánchez

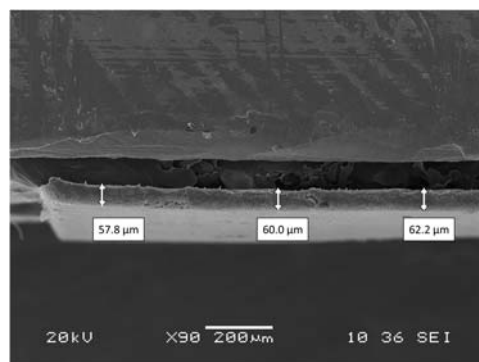
Current Status

B.S. Student
Dept. of Chemistry, UPR-RP

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Education

2013-present UPR-Río Piedras
2018 BS Chemistry (expected)



Research Interests:

Cardiac pacemakers (CPs) are a type of implantable medical devices (IMDs) that delivers electrical pulses with convenient intensities to a desired location of the heart in order to sustain its operation. IMDs require power sources like batteries or supercapacitors, which work by separating charges. My research interest is focused in the development of new composite materials to enhance this charge separation of electrical devices such as batteries and supercapacitors which are employed on IMDs.

Research Experience

2016 (summer)-present UPR-RP, Design of separators based on polymeric-ceramic bio/composites: Enhancing performance for applications in biomedical implantable devices, (mentor: Eduardo Nicolau)

Honors

2016 (summer)-present Maximizing Access to Research Careers (MARC) Research Assistantship.

Presentations at Local Meetings

2013 Organic Chemistry Symposium, University of Puerto Rico, Rio Piedras Campus.