

# Alberto Daniel Calderín Pulido

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## English to Spanish translator

Specializing in Life Sciences

## Experience

2019-

### Cuban Sport Research Center

#### Junior Sports Scientist, Ergometry Laboratory

- Interpretation of test results and elaboration of reports and training prescriptions.
- Giving instructions to the athletes. Placement of electrodes and spirometer.

2017-2019

### Center for Scientific Research of Civil Defense

#### Junior Researcher, Department of *Legionella*

- Work in the Biosafety Laboratory Level 3, installation of maximum biosafety in the country, complying with good practices and biosafety measures established in the management of biological agents and biomedical technologies.
- Inspection of *Legionella* sp. prevention program documentation and evaluation of water parameters in various industrial and tourist facilities. Elaboration of risk assessment plans.
- Staff training on the correct actions needed to comply with international safety regulations and evaluating whether the water systems complied with the aforementioned regulations.
- Preparation of different culture media and solutions, processing of water samples, bacteria culturing and identification.
- Participation in the department's research project on developing a novel protocol for sample processing.

2016-2017

### Institute of Cardiology and Cardiovascular Surgery

#### Work Placement, Department of Electrophysiology

- Execution of the Langendorff technique in isolated hearts of rats for the measurement of the force of cardiac contraction and the analysis of the electrocardiogram.
- Obtaining rat abdominal aorta rings to measure the contraction force of vascular smooth muscle.
- Execution of the Patch Clamp technique in rat ventricular cardiomyocytes for the measurement of the different ionic currents during the ventricular action potential.
- Work with experimental animals (*Rattus norvegicus*).
- Completion of thesis project: 'Effects of the antibiotics Azithromycin and Ciprofloxacin on contractile and electrical activities of isolated and perfused rat's hearts'.

2015

### Molecular Immunology Center

#### Work Placement, Department of Systems Biology

- Protein analysis with the MALDI TOF Mass Spectrometry technique. Evaluation of the degree of conjugation of the CimaVax-EGF vaccine. Evaluation of the degree of oligomerization of the CimaVax-EGF vaccine.
- Preparation of binary matrices for the execution of the MALDI TOF technique.

- Completion of the Research Project: 'Evaluation of different binary matrices for the analysis of the CimaVax-EGF vaccine with MALDI TOF'.

## Academic training

- 2012-2017

### University of Havana

Bachelor of Biology

- 2009-2011

### Polytechnic Institute of Informatics 'Mártires de Girón'

IT Technician

## Postgraduate Academic Training

- March, 2018

### Faculty of Biology, University of Havana

Postgraduate Course in General Microbiology

## Publications and Events

- Galán-Martínez L., A.D. Calderín-Pulido, A. Fleites Fleites-Vázquez, J.L. Álvarez (2018): Ciprofloxacin, an antibiotic with cardiac actions on isolated rat hearts. **J Pharm Pharmacogn Res.** 6(2): 65-71.
- Direct actions of the flavonoid hesperetin on rat cardiac and vascular smooth muscles. Presented at the 5th International Congress of Pharmacology of Natural Products "Fapronatura 2018". Sancti Spíritus, Cuba. May 24, 2018.
- Galán-Martínez L., A.D. Calderín-Pulido, A. Fleites Fleites-Vázquez (2017): Acción inotrópico negativa y prolongación del intervalo QT por azitromicina. **Rev Cub Car Cir Cardiov.** 23(4).

## Aptitudes

### Languages:

Spanish, Native

English, C1

### Computing:

CAT tools, memoQ

R language, Basic level

C++ and C# languages, Intermediate level

Office Suite

Satística

Origin Pro