

CHRISTIAN ZEVALLOS-DELGADO

2450 Virginia Ave NW, Washington, DC 20037 • (202) 468-7738 • czevallosd@gwu.edu • [linkedin.com/in/czevallosdelgado/](https://www.linkedin.com/in/czevallosdelgado/)

EDUCATION

The George Washington University

Master of Science in Bioinformatics and Molecular Biochemistry
Graduate Assistantship - Department of Biological Sciences

Washington, DC

Jan 2019 - Dec 2020

Universidad Católica de Santa María (UCSM)

Bachelor of Engineering in Biotechnology
Award: Science, Technology and Innovation University Fair Fellowship

Arequipa, Peru

Mar 2012 - Dec 2016

RELEVANT EXPERIENCE

The George Washington University

Research Laboratory Assistant, Dr. Villagra Lab, GW Cancer Center

Washington, DC

Feb 2019 - Present

- Determined the possible biochemical role of the interactions of the protein HDAC6 in the JAK/STAT pathway using molecular docking, molecular dynamics and experimental molecular biology techniques.

Universidad Católica de Santa María

Research assistant, Research Center for Molecular Engineering

Arequipa, Peru

Jan 2017 - Dec 2018

- Developed new therapeutic strategies against Cystic Echinococcosis, Trypanosomiasis, and Tuberculosis protein targets using Quantum Mechanics and Molecular Dynamics identifying an extensive drug library against these diseases.

Universidad Católica de Santa María

Intern, Research Center for Molecular Engineering

Arequipa, Peru

Jul 2016 - Dec 2016

- Designed, implemented, and tested the interaction of a membrane protein in an *M. tuberculosis* cell wall structure using Molecular Dynamics and Quantum Mechanics.

SKILLS

Programming Languages: Jupyter, Python (Biopython, Numpy), Bash, Fortran, R

Computer Tools: Microsoft Office Word, Excel & PowerPoint, Google Drive, and LaTeX

Operating Systems: Windows and Unix (Linux)

Language: Spanish (native), English, and Portuguese (read, speak, and write)

PROJECTS

- Analysis of the interaction between *M. tuberculosis* proteins with nicotine analogs** Jan 2018
Use of computational system to elucidate the interaction between membrane proteins of Mycobacterium tuberculosis: Rv1417 and Rv2617c, with Nicotine analogs molecules searching for a new therapy against the infection. Grant Award, [UCSM](#)
- Computational analysis of the interaction of *E. granulosus* FABPS** Jan 2017
Computational Analysis of the Interaction of Fatty Acids Binding Proteins (FABP) of Echinococcus granulosus with Vegetables Fatty Acids using Computational Chemistry tools, searching for new types of therapeutic drugs against hydatid disease. Grant Award [UCSM](#)
- Latin American Conference of Computational Physics, Chemistry and Biology (I & II edition)** Oct 2016 & Nov 2017
Member of the organization committee of the I and II edition of the Latin-American Conference of Computational Physics, Chemistry, and Biology realized in Arequipa, Peru. Research Center for Molecular Engineering, [UCSM](#)

PRESENTATIONS & PUBLICATIONS

- Banik, D., Noonepalle, S., Hadley, M., Palmer, E., Gracia-Hernandez, M., **Zevallos-Delgado, C.**, & Chiappinelli, K. B. (2020). HDAC6 plays a non-canonical role in the regulation of anti-tumor immune responses, dissemination, and invasiveness of breast cancer. *Cancer Research*. DOI: [10.1158/0008-5472.can-19-3738](https://doi.org/10.1158/0008-5472.can-19-3738)
- Calienni, M. N., Febres-Molina, C., Llovera, R. E., **Zevallos-Delgado, C.**, Tuttolomondo, M. E., Paolino, D., & Montanari, J. (2019). Nanoformulation for potential topical delivery of Vismodegib in skin cancer treatment. *International journal of pharmaceutics*, 565, p. 108-122. DOI: [10.1016/j.ijpharm.2019.05.002](https://doi.org/10.1016/j.ijpharm.2019.05.002)
- Barazorda-Ccahuana, H. L., **Zevallos-Delgado, C.**, Valencia, D. & Gómez, B. (2019) Molecular Dynamics Simulation of Kynurenine Aminotransferase Type II with Nicotine as a Ligand: A Possible Biochemical Role of Nicotine in Schizophrenia. *ACS Omega*, 4 (1), p.710–717 DOI: [10.1021/acsomega.8b02287](https://doi.org/10.1021/acsomega.8b02287)
- PEX14 protein inhibitors against trypanosomiasis** Viña del Mar, Chile
[ISCB-LA](#) SOIBIO EMBnet Conference Oral Presentation
Nov 2018
- Zebrafish SMO protein as a target for anticancer second-generation drugs** Morelos, Mexico
[ICGEB-LAZEN 2018](#) -V Latin American Zebrafish Poster Presentation
May 2018
- ERP protein from *M. tuberculosis* as a target for nicotine analogs** Buenos Aires, Argentina
[ISCB-LA](#) A2B2C Conference Poster Presentation, UCA Argentina
Nov 2016

AWARDS AND PROFESSIONAL DEVELOPMENT

- ICGEB-LAZEN 2018 -V Latin American Zebrafish**, [UNUBIOLAC](#) Fellowship UNAM, Mexico May 2018
- IFMSA- Standing Committee of Research Exchange (SCORE) Recognition**, [UCSM](#), Peru Mar 2018 – Set 2018
- Structural Biology Crystallography. How and why to get the crystal of a protein?**, [CELF](#) Fellowship UBA, Argentina Jul 2017
- International Society for Computational Biology (ISCB) Membership** Nov 2016 – Present