

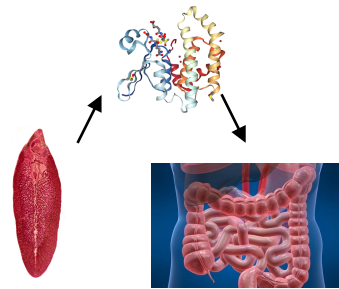
Biographical Sketch

Bianca N. Valdés Fernández

Current Status

PhD student
Dept. of Biology, UPR-Río Piedras

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Education

2010-2014 BS Human Biology- University of Puerto Rico at Bayamon
2014- present PhD Biology

Current Research Interests: My research is focused on the anti-inflammatory capabilities of the Fasciola hepatica Glutathione S-transferase (FhGST) in a DSS-induced colitis mouse model.

Research Experience

2018-present Graduate Student (mentor, Dr. Ana Espino)
2014-2017 Graduate Student (mentor, Dr. José Lasalde Dominicci)
2013-2014 Undergraduate Research Assistant (mentor, Dr. Ana Espino)

Other Research Activities

2014-present Advance Photon Source General User

Honors

2017 Research Initiative for Scientific Enhancement (RISE) Fellowship.

National Workshops

2017 BIO 2017 I-Corps Bio-Entrepreneurship Workshop. San Diego CA.

Presentation at Local Meetings

November 2012 - University of Puerto Rico at Bayamon Bio Expo **“Mutation in the tumor suppressor protein TP53 that causes the Li-Fraumeni Syndrome”**.
Valdes-Fernandez B.N, Afanador J., Almendro T., Quiñones K., & Rodríguez A.

April 2013 - University of Puerto Rico at Bayamon Devo Expo **“Transcription factors Barx1, Fgf10 and Bapx1 role in the stomach organogenesis”**. *Valdes-Fernandez B.N, Marzan N. & Maldonado A.*

May 2014- University of Puerto Rico at Bayamon Bio Expo **“Efectos patogénicos de *Escherichia coli* O157:H7 en el ser humano”**. *Valdes-Fernandez B. N & Vázquez S.*

December 2015- 24th Puerto Rico Annual Neuroscience Conference, San Juan Puerto Rico. **Assessment of Nicotinic Acetylcholine Receptor Detergent Complex Purity for Structural Studies**. *Valdes-Fernandez B. N., Mercado-Del Valle J., Quesada O. and Lasalde-Dominicci J. A.*

September 2016- Forward Research & Innovation Summit, San Juan Puerto Rico. **Purity Studies of the Nicotinic Acetylcholine Receptor Detergent Complexes using Microfluidic Capillary Gel Electrophoresis.**, *Valdes-Fernández B.N., Cruz-Lopez L.M., and Lasalde-Dominicci J.A.*

Presentation at National Meetings

February 2016- 60th Annual Biophysical Society Meeting, Los Angeles California. **Assessment of Nicotinic Acetylcholine Receptor Detergent Complex Purity and Stability for Structural Studies**. *Valdes-Fernandez B. N., Rosado-Millan I. D. and Lasalde-Dominicci J. A.*

February 2017- 61st Annual Biophysical Society Meeting, New Orleans. **Preparation of Nicotinic Acetylcholine Receptor Detergent Complexes for Structural Studies: Assessment of Purity, Functionality and Aggregation Analysis**. *Valdés-Fernández B.N., Wei A., Cruz-Lopez L.M., Reilly-Andújar F., Cobo-Torres B., González-Martínez O.G., Cordero-Villamil R., and Lasalde-Dominicci J.A.*

April 2018- Experimental Biology 2018, San Diego California. **Fasciola hepatica Glutathione S-Transferase (FhGST) conformational studies and its effect on the suppression of toll-like receptors stimulation**. *Valdés-Fernández, B.N, Aguayo V., Jiménez-Ruiz C., Ramos M., and Espino A.M.*