

# Biographical Sketch

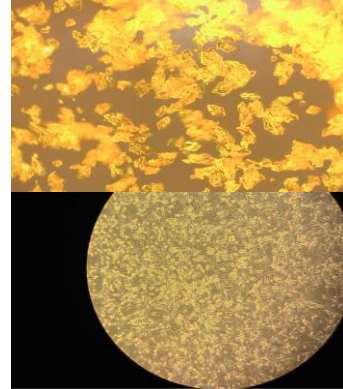
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## **Liz M. Hernández-Matías**

### **Current Status**

PhD Candidate  
Dept. of Biology, UPR-Rio Piedras

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### **Education**

2009-2014 BS Biology  
2014-present UPR-Río Piedras  
2018 PhD Biology (expected)

**Current Research Interest:** My research has focused on myeloproliferative disorders especially Essential Thrombocythemia, which is mainly caused by an acquired somatic mutation that affects the cells that derive from myeloid hematopoietic progenitor cells. Because mutational background could affect the cytokine profile of MPD patients, and any contemporary study has emphasis on this issue, my research project is focus on identify the mutational ET genotype proportion on the puertorrican population and evaluate cytokine profile differences and MHC I antigen presentation.

### **Research Experience**

2015 (summer)	Mayo Clinic, Graduate trainee (mentor Dr. Ying)
2014-present	Universidad de Puerto Rico, Undergraduate Researcher (mentor Dr. Washington)
2013 (summer)	Harvard Public Health School, Undergraduate Research (mentor, Dr. Vaidya)
2012-2014	Universidad de Puerto Rico, Undergraduate Researcher (mentor Dr. Agosto)
2011 (summer)	Wadsworth Center, Undergraduate Researcher (mentor, Dr. Morse)
2010-2011	Universidad de Puerto Rico, Undergraduate Researcher (mentor, Dr. Tugrul)

### **Other Research Activities**

2014-2016	Genetics and Statistics Teaching Assistant
2014	Science in Action Program Coordinator

### **Honors**

2014-2016	NSF-Bridge to the Doctorate Program
2012-2014	MARC Undergraduate Fellow
2009-2013	AELA Honor Scholarship

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2009-2013 Honor Roll  
2009 National Society of Collegiate Scholars

### **Presentations at Local Meetings**

Liz Hernandez, Anthony V. Washington. (March 2016) Use of CRISPR-CAS9 laboratory experience to increase students academic knowledge, auto-conception and simultaneously advance scientific knowledge. PRISM. Pontificia Universidad Católica de Puerto Rico de Ponce.

Liz Hernandez, Jose De Jesus, Natalia Calzada (May 2016) Science in Action. Escuela Amigos De Jesus, San Juan.

Liz Hernandez, Anthony V. Washington. (May 2016) ET: Calreticulin .VI Simposio de Estudiantes Graduados de Biología. Universidad de Puerto Rico Recinto de Rio Piedras

### **Presentations at National Meetings**

Liz Hernandez, Anthony V. Washington (May 2015) Role of neutrophils in Essential thrombocythemia Cold Spring Harbor, New York.

Shui, Bing, Liz Hernandez Matias, Yi Guo, and Ying Peng. "The Rise of CRISPR/Cas for Genome Editing in Stem Cells." Stem Cell International 28, no. 47 (2016): 145.