

ELVIN J. ESTRADA-GARCIA
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Education

Graduate: **M.S. Biology**, Pontifical Catholic University of Puerto Rico.
2013-2015, GPA =3.51
Undergraduate: **B.S. Biomedical Science**, Interamerican University of Puerto Rico.
2006-2011, GPA = 3.49

Professional Experience

2018-Present **Education Program Specialist & Social Media Coordinator-** Ciencia Puerto Rico, Fundación Banco Popular.

2016-2018: **Biologist**, Center for the Disease Control and Prevention, Dengue Branch

2014-2015: **Biology Professor-** TRIO Federal Education Program at Pontifical Catholic University of Puerto Rico, Ponce Campus

2014 **Graduate Research Assistant**, Dr Zaira Mateo's Neurophysiology Laboratory, Pontifical Catholic University of Puerto Rico.

2014-2018: **Social Network/Media Manager**, Ciencia Puerto Rico

2013-2014: **Student Researcher**, Neurophysiology lab, Pontifical Catholic University of Puerto Rico.

2010-2011: **Microbiology Laboratory Research Technician**, Endometriosis Laboratory, Ponce School of Medicine.

2010-2011: **Biology and Microbiology Laboratory Assistant**, Interamerican University of Puerto Rico at Ponce.

2009-2010: **Teaching Assistant, Immunology**, Interamerican University of Puerto Rico at Ponce.

2008-2010: **Volunteer**, Dr. Idhaliz Flores' Endometriosis Laboratory, Ponce School of Medicine.

2008-2009: **Laboratory Assistant**, Chemistry Laboratory, Interamerican University of Puerto Rico at Ponce.

2006-2007: **Biology and Microbiology Laboratory Assistant**, Interamerican University of Puerto Rico at Ponce.

Research Experience

2018: **RAPID: Evaluation of disaster-related science lesson plans to promote learning continuity after Hurricane Maria**"- National Science Foundation, Ciencia Puerto Rico, Principal Investigator: Dr. Giovanna Guerrero, Yale University.

2014-2015: **Improving Molecular Techniques for HIV Nef Protein Gene.** Center for Learning and Research in Biotechnology and Agrobiotechnology. Pontifical Catholic University of Puerto Rico.

2013- 2014: **Characterization of Different *Debaryomyces hansenii* Strains and its Potential as a Biological Control.** Center for Learning and Research in Biotechnology and Agrobiotechnology. Pontifical Catholic University of Puerto Rico.

2009-2010

Role of HDAC3 in the Pathophysiology of Endometriosis. The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) STEP- UP Summer Internship Research Program.

- Project contribution:
 - Paper Acknowledgment
 - Colón-Díaz, M., Báez-Vega, P., García, M., Ruiz, A., Monteiro, J. B., Fourquet, J., ... Flores, I. (2012). HDAC1 and HDAC2 are Differentially Expressed in Endometriosis. *Reproductive Sciences*, 19(5), 483–492. <http://doi.org/10.1177/1933719111432870>

Presentations

2016- “TTK overexpression deregulates the cell cycle and promotes poor clinical outcomes in breast cancer.” PHSU 12th Annual Scientific Conference, Ponce PR (5/14/16)

2016- “Expression Profile of Cyclin Dependent Kinases (CDKs) in Lung Cancer Cell Lines”. AMSA Annual Convention Washington D.C 2016. (2016)

2015- “A Retinoblastoma Phosphorylation Code Associated with Cell Adhesion and Invasiveness”. AACR Developmental Biology & Cancer Meeting 2015. Boston, MA (11/30/15-12/3/15)

2015- ” Expression profile of CDKs in lung cancer cell lines” RISE program Data Blitz. (11/15)

2014- 2015 Research Proposal presentation: “Characterization and localization of mGluR group 1 in Adult Zebrafish Brain” April 25, 2014 at "Centro de Enseñanza e Investigación de Biotecnología y Agrobiotecnología", Ponthifical Catholic University of Puerto Rico, Ponce Campus

2010- Society for Gynecologic Investigation: “Expression of the Cell Cycle Regulator GDF11 is Downregulated in Endometriosis” Miami, Florida

2009- NIDDK STEP UP: “Role of HDAC3 in the Pathophysiology of Endometriosis” August 8, 2009; Los Ángeles, California.

Invited Talks

2018- Panel de discusión: Iniciativas para la actualización de la educación del País- Recinto Metro de la Universidad Interamericana, San Juan, Puerto Rico. 26 de octubre de 2018

2017- Taller teórico/practico de comunicación científica frente a un desastre natural- Museo de Historia Natural “Dr. Carlos Torres de la Llosa”, Montevideo, Uruguay. 27 de Noviembre de 2017

2015- How Many Cancers Are Caused by the Environment? – Environmental Science Student Society, Pontifical Catholic University of Puerto Rico, Ponce campus. April 28, 2015

2014- What’s a scientist? Ciencia Puerto Rico – Antolina Velez Elementary and High School- Interamerican University of Puerto Rico, Aguadilla campus. May 14, 2014

Paper’s acknowledgement:

- Guerrero-Medina G, Feliú-Mójer M, González-Espada W, Díaz-Muñoz G, López M, et al. (2013) Supporting Diversity in Science through Social Networking. PLoS Biol 11(12): e1001740. doi: 10.1371/journal.pbio.1001740
- Colón-Díaz, M., Báez-Vega, P., García, M., Ruiz, A., Monteiro, J. B., Fourquet, J., ... Flores, I. (2012). HDAC1 and HDAC2 are Differentially Expressed in Endometriosis. Reproductive Sciences, 19(5), 483–492. <http://doi.org/10.1177/1933719111432870>

Editorial Activities

Peer Review Activities

- Manuscript Title: Hypertectonic System: Weather Sensible Structure- Journal: JOUST: The Journal of Undergraduate Research Students- 10/17/15

Technical Knowledge, Skills and Abilities

* cDNA extraction * Gel electrophoresis * Genomics PCR * High performance liquid chromatography, HPLC * Histological Techniques * Immunohistochemistry * In-vivo motility and secretion * Microbiology media preparation * Polymerase Chain Reaction, PCR * Primers design * Protein extraction * Real-time polymerase chain reaction, RT-PCR * Small animal surgery * Tissue culture * Tissue microarray * Western Blot

Certifications

Hazard Communication Standard (HAZCOM)
Hazardous Materials Transportation (HAZMAT)

Globally Harmonized System (GHS)
Digital Marketing- Continuing Education program, Business Administration Department.
University of Puerto Rico, Mayaguez Campus

Computer Skills

Database/Statistics: Graph Pad software, R Statistics
Essential Training, Microsoft Access, SPSS
Graphic Designs: GIMP, WordPress, Canvas. Affinity
Designer, Affinity Photo, Adobe Illustrator
Desktop Publishing: Microsoft Publisher
Operating Systems: Windows 2000, XP, Vista,
Windows 10, Mac OSX
Presentation: Microsoft PowerPoint, Keynote
Reference Manager: ReadCube, Mendeley, EndNote
Social Networking Manager: Hootsuite, MailChimp, TweetDeck, IFTTT, Buffer
Spreadsheet: Microsoft Excel, Google Spreadsheet
Word Processing: Corel Word Perfect, Microsoft Office Word

Professional Association Membership

Biotechnology Student Association of Pontifical Catholic University of Puerto Rico,
President, (August 2014- May 2015)
Ciencia Puerto Rico, a nonprofit organization that promotes research and science
education among Latinos, Social Media Coordinator (2014- Present)
American Association for Cancer Research, Associate Membership: 260898
The New York Academy of Sciences
Beta Beta Beta National Biological Honor Society
American Association for the Advancement of Science, Associated Member: 20335721,
August 2015
Para la Naturaleza, organization for the protection of nature of Puerto Rico

Honors and Awards

2015: Research Initiative for Scientific Enhancement (RISE) Program- Ponce Health
Science University (R25GM082406)
2014: Professor Assistant Scholarship- Pontifical Catholic University of Puerto Rico
2010-2011: Who's Who among Student in American Universities and Colleges
2008-2010: Dean's list
2008-2009: Scholarships for America's future Scientists and Engineers Scholarship
2008,2010: Honor Program

Science Continuing Education

Processional Acknowledgement for Continuing Education (PACE)

11/03/16 (1 credit hour each)

- Risk Mitigation and Management to Ensure Virus Safety of Biopharmaceuticals: Regulatory Perspectives and Industry Best Practices

10/29/16 (1 credit hour each)

- CRISPR-Cas9: From reagent selection to experimental optimization
- Achieving Reproducibility: Don't Let Antibodies be a Variable in Your Experiment

11/1/16 (1 credit hour each)

- Clinical Laboratory Workflow: The Impact of the "3 Rs"

Training

Office for Environmental, Health and Occupational Safety- Pontifical Catholic University of P.R.

10/4/13 (3 credit hours)

- Biomedical Waste Materials Handling

Student Affair Office- Pontifical Catholic University of P.R.

05/16/14 (3 credit hours)

- Scientific Writing Skills

09/20/13 (3 credit hours)

- Reference Manager Tools Training

Science and Technology Department- Interamerican University of P.R

05/2011 (24 credit hours)

- Biotechnology research techniques- Dr. Edu Suarez

Ponce Health Science University- NIH Sponsored Advanced Training Course

02/03/13-02/08/13

- Frontiers in Stem Cells in Cancer

Courses

Moffitt Cancer Center, Tampa, FL, USA

September-November 2015

- BIOS 101: Biostatistics for Cancer Research

Berlitz School, Ponce P.R.

12/01/09 to 04/14/10

- Berlitz/English ½ Level