

Edgardo Santiago Martínez, Ph.D.

edgardo.santiago-martinez@pioneer.com

SUMMARY

I have experience in biomedical and biotechnology research in the academic and industry setting. Currently, I lead the high-throughput production genotyping laboratory for DuPont Pioneer managing daily operations and budget in alignment with company strategic goals.

WORK EXPERIENCE

DuPont Pioneer, Salinas, PR (2010-Present)

Research Scientist

Leader of the Puerto Rico Research Center Global Marker Technologies Laboratory

- Lead the production genotyping and nucleic acid analysis laboratory in Salinas, Puerto Rico.
- Manage day to day operations, develop business and operational strategies and align to company goals.

EDUCATION

Princeton University, Princeton, NJ (2010)

Postdoctoral Research Fellow

Rutgers University, Piscataway, New Jersey (2009)

Ph.D. in Biomedical Sciences focused on Genetics, Cell & Developmental Biology

Pontifical Catholic University of Puerto Rico, Ponce, Puerto Rico (2003)

B.S. in Biology, with honors *magna cum laude*

ACADEMIC RESEARCH EXPERIENCE

Postdoctoral Research Associate: Princeton University, Department of Molecular Biology, Princeton, NJ (2009-present)

- Studied the role of microRNAs during breast cancer metastasis and Epithelium-Mesenchyme Transition.

Doctoral Research Fellow: Rutgers University, Robert Wood Johnson Medical School, Department of Pathology and Laboratory Medicine, Piscataway, NJ (2004-2009)

- Used a genetic approach and cell biology techniques to discover that the guidance molecule Slit and its receptors Robo and Robo2 are required for *Drosophila* heart cell migration, positioning and lumen formation.

Undergraduate Researcher: Pontifical Catholic University of Puerto Rico, Department of Biology, Ponce, PR (2001-2003)

- Studied the genetic susceptibility to Type 1 diabetes in Puerto Ricans.

PEER-REVIEWED PUBLICATIONS

Santiago-Martínez, E., Soplop, N.H., Patel, R. & S.G. Kramer. (2008). Repulsion by Slit and Roundabout prevents Shotgun/E-cadherin-mediated cell adhesion during *Drosophila* heart tube lumen formation. *J. Cell Bio.* **182** (2), 241-248.

Santiago-Martínez, E., Soplop, N.H. & S.G. Kramer. (2006). Lateral positioning at the dorsal midline: Slit and Roundabout receptors guide *Drosophila* heart cell migration. *Proc. Natl. Acad. Sci.* **103** (33), 12441-6.

AWARDS & HONORS

- Henry A. Wallace Agricultural Revolution Impact Award (2014)
- NIH Post-Doctoral Cancer Fellow (2009-2010)
- NIH Ruth L. Kirschstein National Research Service Award Pre-Doctoral Individual Fellowship (2005-2008)
- Biotechnology Institute Fellow (2007-2008)
- MARC U*STAR NIH Honor Program Scholar (2001-2003)
- Genome Scholar, National Human Genome Research Institute, NIH (2002)
- Research In Science and Engineering (RISE) Scholar, Rutgers/UMDNJ (2002)
- Recognition by the Governor of Puerto Rico for Scientific Achievement (2002)
- Recognition by the President of Pontifical Catholic University of Puerto Rico for Scientific Achievement (2002)
- NIH Fellow for the Biotechnology Industry Organization (BIO) Convention (2001)

CURRENT PROFESSIONAL AFFILIATIONS

- Puerto Rico Ag Biotechnology Industry Association (PRABIA) (2010-Present)
- Beta Beta Beta National Biological Honor Society (2001-present)