

Biographical Sketch

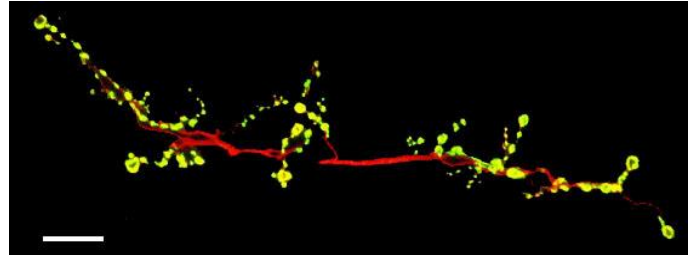
Marizabeth Pérez Carambot

Current Status:

Ph.D student

Dept. of Biology, UPR Río Piedras

Email: marizabeth.perez@upr.edu, mima.san@gmail.com, mima_san@hotmail.com



Education:

2003-2008 BS education in Biology

2013-present Biology Graduate program, UPR Río Piedras

2018 Ph.D in Biology (expected)

Current Research Interests: My research is focused on exploring the role of a transcription factor in synaptic growth, stability and plasticity in fully developed neurons.

Research Experience:

Summer 2006-May 2007

Research Fellow / undergraduate

AlACiMA Program (Alliance for the learning of Sciences and Mathematics)
University of Puerto Rico

Faculty Mentors: Sandra Peña de Ortiz, Ph.D. & Adrinel Vázquez, Ph.D.

Research Study:

-The Role of Gene Transcription in Extinction Memory

-The Role of cAMP Responsive Element Binding Protein in Extinction Memory

Summer 2007 – May 2008

Research Fellow / undergraduate

AlACiMA Program (Alliance for the learning of Sciences and Mathematics)
University of Puerto Rico

Faculty Mentors: Sandra Peña de Ortiz, Ph.D. & Adrinel Vazquez, Ph. D.

Research Study:

-The role of protein synthesis and gene transcription in extinction memory.

Fall 2008 – Fall 2013

Full Time Lab Technician/Transition-graduate student

University of Puerto Rico

SCORE and INBRE Program

Faculty of Natural Sciences

Faculty Mentors: Sandra Peña de Ortiz, Ph.D. & Adrinel Vazquez, Ph. D.

Research Studies:

-The role of DNA recombination/repair factors in Context Fear Conditioning

October 2013- July 2016

Ph.D. Graduate Student
COBRE Program
Neurobiology and Genetics Laboratory
Principal investigator: Bruno Marie, Ph.D.

July 2016-present

Ph.D. Graduate Student
RISE Program-UPR Río Piedras
Neurobiology and Genetics Laboratory
Principal investigator: Bruno Marie, Ph.D.

Awards and Scholastic Honors

2016 RISE program fellow

2012

Best Poster award at the 21st Annual Puerto Rico Neuroscience Conference.

2006 & 2007

AIACiMA Program (Alliance for the learning of Sciences and Mathematics)

Published Work:

Edgardo Castro-Pérez, Emilio Soto-Soto, Marizabeth Pérez-Carambot, Dawling Dionisio-Santos, Kristian Saied-Santiago, Humberto G. Ortiz-Zuazaga, and Sandra Peña de Ortiz. *Identification and Characterization of the V(D)J Recombination Activating Gene 1 in Long-Term Memory of Context Fear Conditioning*. Neural Plasticity. Volume 2016, Article ID 1752176. Published online on December 30, 2015.

Submission in progress:

Daniel Alicea, Marizabeth Perez, Carolina Maldonado, Carihann Dominicci, and Bruno Marie *Cortactin is a regulator of activity-dependent synaptic plasticity controlled by Wingless*. Submission process currently in the Journal of Neuroscience.

Presentations

Marizabeth Perez, Carihann Dominicci, Carolina Maldonado and Bruno Marie. *Cortactin is a modulator of activity-dependent synaptic plasticity under the control of the wingless (wg) / Wnt signaling*. Poster presentation at the Society for Neuroscience Conference that took place in San Juan, Puerto Rico. (December 5, 2015).

Marizabeth Perez, Carihann Dominicci, Carolina Maldonado and Bruno Marie. *Cortactin is a modulator of activity-dependent synaptic plasticity under the control of the wingless (wg) / Wnt*

signaling. Poster presentation at the Society for Neuroscience Conference that took place in Chicago, United States. (October 17-21, 2015).

Marizabeth Pérez, Adrinel Vázquez, Nicolle Y. Ocasio, Edgardo A. Pérez, Karla P. Betancourt, Valery Rivera, Alma Cátala and Sandra Peña de Ortiz. (May 2012) *The Apurinic/Apurimidinic Endonuclease 1 (Apex1) plays a role in Long-Term Memory on Context Fear Conditioning*. Poster presentation at the 21st Annual Puerto Rico Neuroscience Conference in San Juan, Puerto Rico. (December 1, 2012).

Marizabeth Pérez, Adrinel Vázquez, Nicolle Y. Ocasio, Edgardo A. Pérez, Karla P. Betancourt, Valery Rivera, Alma Cátala and Sandra Peña de Ortiz. *The Apurinic/Apurimidinic Endonuclease 1 (Apex1) plays a role in Long-Term Memory on Context Fear Conditioning*. Poster presentation at the Society for Neuroscience Conference that took place in New Orleans, United States. (October 13-17, 2012).

Marizabeth Pérez, Adrinel Vázquez, Nicolle Y. Ocasio, Edgardo A. Pérez, Karla P. Betancourt, Valery Rivera, Alma Cátala and Sandra Peña de Ortiz. *The Apurinic/Apurimidinic Endonuclease 1 (Apex1) plays a role in Long-Term Memory on Context Fear Conditioning*. Poster presentation at the Molecular and Cellular Cognition Society that took place in New Orleans, United States. (October 11-12, 2012).

A. Vázquez, X. Zeng, A.O.Ortiz, A. Félix-Ortiz, M. Pérez, A. Méndez-Merced, & Peña de Ortiz, S. *Different extinction modalities recruit different molecular and neural memory processes in the brain*. Poster presentation at the first Annual Meeting of the Puerto Rico Chapter of the Molecular & Cellular Cognition Society. (San Juan, PR.-May 2008).

A. Vázquez, X. Zeng, A.O.Ortiz, A. Félix-Ortiz, M. Pérez, A. Méndez-Merced, & Peña de Ortiz, S. *Different extinction modalities recruit different molecular and neural memory processes in the brain*. Poster presentation at the Puerto Rico Neuroscience Conference. (San Juan, PR.-Nov 2007).

A.Vázquez, X. Zeng, A.O.Ortiz, A. Félix-Ortiz, M. Pérez, A. Méndez-Merced, & Peña de Ortiz, S. *Different extinction modalities recruit different molecular and neural memory processes in the brain*. Poster presentation at Molecular Sciences and Cognition Society in San Diego, California. (Nov 2007).

A.Vázquez, X. Zeng, A.O.Ortiz, A. Félix-Ortiz, M. Pérez, A. Méndez-Merced, & Peña de Ortiz, S. *Different extinction modalities recruit different molecular and neural memory processes in the brain*. Oral presentation at AIACiMA Symposium held at the University of Puerto Rico, Río Piedras Campus (San Juan, PR-Aug 2007).

Vázquez, A., Félix-Ortiz, A., M. Pérez & Peña de Ortiz, S. *The role of gene transcription in extinction memory*. Oral presentation at AIACiMA Symposium held at the University of Puerto Rico, Río Piedras Campus (San Juan, PR-Aug 2006).