



Michelle Renee Marques Howarth

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EDUCATION

September 2005 – January 2013 Stanford University, Stanford, CA
Cancer Biology PhD Program

September 1997 – June 2001 University of California, Davis, CA
Bachelors in Biochemistry, 3.61/4.00 scale

RESEARCH EXPERIENCE

January 2013 – present Stanford University
Department of Pediatrics
Postdoctoral Fellow

Laboratory of Dr. Alejandro Sweet-Cordero

December 2006 – January 2013 Stanford University
Department of Pediatrics
Graduate Student

Laboratory of Dr. Alejandro Sweet-Cordero

July 2002 – August 2005 Stanford University
Department of Radiation Oncology

Life Science Research Assistant

Laboratory of Dr. Laura D. Attardi

HONORS/AWARDS

April 2011 Award for best poster in basic science

Stanford Cancer Center Member Retreat

June 2001 Graduated U.C. Davis with Honors

1998, 1999, 2000, 2001 Dean's List, U.C. Davis

September 1997 Henry A. Jastro Scholarship, College of Agricultural and
Environmental Sciences, U.C. Davis

SCIENTIFIC PRESENTATIONS

Short Talks

Michelle Marques and Alejandro Sweet-Cordero. Modeling the EWS-FLI1
translocation in sarcomagenesis. Cancer Biology Retreat, September 2010

Michelle Marques and Alejandro Sweet-Cordero. Using Human and Mouse
Models of Ewing's Sarcoma to Understand the Oncogenic Effects of Ets
Translocations. Cancer Biology Retreat, September 2006

Posters

Michelle Marques, Ron Chen, Dedeepya Vaka, Alayne Brunner, Ci Chu, Grace Zheng, Robert West, Howard Chang and Alejandro Sweet-Cordero. Linc277 is a novel Ewing's sarcoma specific LincRNA induced by EWS-FLI1. Cancer Center Retreat. April 2012

Michelle Marques, Bethsaida Nieves, Ron Chen, Dedeepya Vaka, Charles Chan, Irv Weissman, Alejandro Sweet-Cordero. Signal rewiring induced by EWS-FLI1 in mouse and human mesenchymal stem cells. AACR, Chicago, IL, April 2012 (Abstract 1427)

Michelle Marques, Ron Chen, Dedeepya Vaka and Alejandro Sweet-Cordero. Signal rewiring of primary mesenchymal cells by the oncogenic translocation EWS-FLI1. Signal Rewiring and Addiction in Cancer, Barcelona, Spain, September 2011

Michelle Marques, Ron Chen, Dedeepya Vaka, Purvesh Khatri, Atul Butte and Alejandro Sweet-Cordero. Elucidating the mechanism of EWS-FLI1 transformation in Ewing's Sarcoma. Stanford Cancer Center Member Retreat, April 2011 "Best Poster" Award

Michelle Marques and Alejandro Sweet-Cordero. Identification of novel targets of the EWS-FLI1 oncogene in human mesenchymal stem cells. Keystone Symposia Stem Cells and Cancer, Keystone, Colorado, March 2007

PUBLICATIONS

M Marques, A Sweet-Cordero, "New Insights into tumor suppressors." Genome Biol. 2008;9(9):320.

TM Johnson, K Meade, N Pathak, **MR Marques**, LD Attardi, "Knockin mice expressing a chimeric p53 protein reveal mechanistic differences in how p53 triggers apoptosis and senescence." Proc Natl Acad Sci U S A. 2008 Jan 29;105(4):1215-20.

MR Marques, RA Ihrle, JS Horner and LD Attardi, "The Requirement for Perp in Postnatal Viability and Epithelial Integrity Reflects an Intrinsic Role in Stratified Epithelia." Journal of Investigative Dermatology. 2006 Jan;126(1):69-73.

MR Marques, JS Horner, RA Ihrle, RT Bronson, and LD Attardi, "Mice Lacking the p53/p63 Target Gene Perp Are Resistant to Papilloma Development." Cancer Research. 2005 Aug 1;65(15):6551-6.

RA Ihrle, **MR Marques**, BT Nguyen, JS Horner, C Papazoglu, RT Bronson, AA Mills, and LD Attardi, "Perp is a p63-Regulated Gene Essential for Epithelial Integrity." Cell. 2005 Mar 25; 120(6):843-56.