

## Christy L. Trejo

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### *Education*

- 2006-2012      Doctoral Degree (Ph.D.) in Cell Biology  
University of California, San Francisco (UCSF)  
Helen Diller Family Comprehensive Cancer Center  
*Research advisor: Prof. Martin McMahon*
- 2001-2005      Bachelor degree (B.Sc.) in Cell and Developmental Biology  
University of California, Irvine

### *Research Experience*

- September 2012-present      Research Associate, Salk Institute of Biological studies.  
*Research advisor: Professor Geoffrey Wahl*  
Characterization of fetal mammary stem cells exploring their potential link to breast cancer.
- 2006-2012      Ph.D. thesis, University of California, San Francisco.  
*Research advisor: Professor Martin McMahon*  
Assessing the roles of the MAPK and PI3'K signaling pathways in the development and progression of lung cancer using genetically engineered mouse models.
- 2005-2006      Center for Virus Research PREP Program, University of California, Irvine.  
*Research advisor: Professor Bruce Blumberg*  
Exploring cross talk between inflammatory and xenobiotic metabolism pathways in various cancer cell types.
- 2004-2005      Undergraduate Research, University of California, Irvine.  
*Research advisor: Professor Hans Bode*  
Delineating the role of signaling gradients in bud formation in the model organism hydra.

### *Publications*

1. Trejo, C.; Green, S.; Marsh, V.; Collisson, E.A; Iezza, G; Philips, W.; McMahon, M. *Mutationally Activated PIK3CA<sup>H1047R</sup> Cooperates with BRAF<sup>V600E</sup> to Promote Lung Cancer Progression. Cancer Research November, 2013*
2. Trejo, C.; Juan, J.; Vicent, S.; Sweet-Cordero, S.; McMahon, M. *Autochthonous KRAS<sup>G12D</sup>- or BRAF<sup>V600E</sup>-induced lung tumors are sensitive to the anti-tumor effects of MEK1/2 inhibition. Cancer Research April, 2012*
3. Collisson, E.; Trejo, C.; Zhu, J.; Karnezis, A.; Philips, W.; Dankort, D.; Haussler, D.; Gray, J.; McMahon, M. *The Centrality of the Raf-MEK-ERK Axis in the Genesis and Maintenance of Pancreatic Ductal Adenocarcinoma. Cancer Discovery 2012.*

### *Awards and Accomplishments*

2014	Ruth L. Kirschstein National Research Service Award- Postdoctoral Fellowship (NIH F32)
2013	Carl Storm Underrepresented Minority Fellowship Travel Award
2013	Helen McLoraine Pioneer Fund Fellowship for Postdoctoral Scholars
2012	Federation of American Societies for Experimental Biology (FASEB) MARC travel award: national scientific meeting, poster presenter at Experimental Biology 2012
2009-2012	Genentech Foundation Training Grant
2008	Richard Fineberg Memorial Teaching Award in Biochemistry, University of California, San Francisco Department of Biochemistry and Biophysics
2006-2008	Larry L. Hillblom Foundation training grant
2005, 2004, 2002, 2001	Dean's Honor List, University of California, Irvine

### *Advanced Courses & Training*

2009	American Association of Cancer Research- Pathobiology of Cancer Workshop
2008	Comprehensive Cancer Center Training Program, Stanford University School of Medicine
2006	NIMH scholar, UCSF Summer Research Training Program

### *Teaching and Mentorship*

2009	Mentor to high school summer student. Science and Health Education Partnership at UCSF (SEP)
2004-2005	Departmental tutor in Cell Biology. University of California, Irvine
2004-2005	Departmental tutor in Evolutionary Biology. University of California, Irvine

### *Presentations*

1. *Lgr5 marks an enriched population of fetal mammary stem cells.* Trejo, C. **American Association of Cancer Research annual conference.** San Diego, CA. April, 2014 (poster).
2. *Lgr5 marks an enriched population of fetal mammary stem cells.* Trejo, C. **Gordon Research Conference on Mammary Gland Biology.** Stowe, VT. June, 2013 (poster).
3. *Mutational activation of PI3'Ka dramatically accelerates BRAF<sup>V600E</sup> driven tumorigenesis in the mouse lung.* Trejo, C.; Marsh, V.; McMahon, M. **Models and Mechanisms of Cancer,** Salk Institute, La Jolla, CA, August 2011 (talk).
4. *Mutational activation of PI3'Ka dramatically accelerates BRAF<sup>V600E</sup> induced lung tumorigenesis.* Trejo, C.; Marsh, V.; McMahon, M. Targeting PI3K/mTOR signaling in cancer. **AACR.** San Francisco, CA., February, 2011 (poster).
5. *Mouse models and small molecule inhibitors to explore the MAP Kinase signaling cascade in non-small cell lung adenocarcinoma.* Trejo, C.; Karnezis, A.; Dankort, D.; McMahon, M. **AACR Molecular Origins of Cancer,** San Diego, CA, January 2010 (poster).
6. *Pharmacological inhibition of MEK promotes regression of both KRAS<sup>G12D</sup> and BRAF<sup>V600E</sup>- induced lung tumors.* Trejo, C.; McMahon, M. **Models and Mechanisms of Cancer,** Cold Spring Harbor, NY. August, 2010 (poster).
7. *Exploring lung cancer progression using a conditional BRAF<sup>V600E</sup> mouse model.* Trejo, C.; McMahon, M. **AACR Pathology of Cancer,** Snowmass Village, CO., July, 2009 (poster).

6. *BRaf Induced Lung Tumor Initiation, Progression, and Therapy in Mice*. Trejo, C.; Zhang, J.; McMahon, M. **Models and Mechanisms of Cancer**, Salk Institute, La Jolla, CA, August 2009 (poster).

7. *Early Cellular Targets of Oncogenic Transformation in Mouse Models of Non-Small Cell Lung Adenocarcinoma*. Trejo, C.; McMahon, **Models and Mechanisms of Cancer**, Cold Spring Harbor, NY., August, 2008 (poster).