Roy L. Maute, Ph.D.

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EDUCATION

Columbia University, New York, NY (September 2006-February 2013)
Ph.D. in Genetics and Development, awarded February 2013
M.Phil. in Genetics and Development, awarded October 2009
M.A. in Genetics and Development, awarded October 2007

University of California, Berkeley, Berkeley, CA (August 2002-May 2006)
B.A. in Molecular and Cell Biology, emphasis in Genetics, awarded May 2006

RESEARCH EXPERIENCE

Stanford University School of Medicine, Palo Alto, CA
Institute for Stem Cell Biology and Regenerative Medicine, Advisor: Irving Weissman M.D.
Postdoctoral Research Fellowship**,** June 2013-
A whole-genome screen for modulators of the cancer stem cell phenotype.

Columbia University Medical Center, New York, NY
Institute for Cancer Genetics, Advisor: Riccardo Dalla-Favera M.D.
Thesis Project**,** August 2007-December 2012
A functional role for transfer RNA-derived microRNAs in human B cells.

University of California, San Francisco, Emeryville, CA
Ernest Gallo Clinic and Research Center, Advisors: Andrew Peterson Ph.D. and Konstantinos Zarbalis Ph.D.
Undergraduate Research Project, January 2004-May 2006
Genetic mapping of point mutations causing embryonic lethal cranio-facial patterning phenotypes in the mouse.

PUBLICATIONS

Maute RL, Dalla-Favera R, Basso K. RNAs with multiple personalities. **WIREs RNA (**2013). doi: 10.1002/wrna.1193

Maute RL, Schneider C, Sumazin P, Holmes A, Califano A, Basso K, Dalla-Favera R. A tRNA-derived microRNA modulates the DNA damage response and is downregulated in B cell lymphoma. **Proceedings of the National Academy of Sciences, USA** 110: 1404-1409 (2013).

Ross AP, Mansilla MA, Choe Y, Helminski S, Sturm R, **Maute RL**, May SR, Hozyasz KK, Wójcicki P, Mostowska A, Davidson B, Adamopoulos IE, Pleasure SJ, Murray JC, Zarbalis KS. A mutation in mouse *Pak1ip1* causes orofacial clefting while human *PAK1IP1* maps to 6p24 translocation breaking points associated with orofacial clefting. **PLoS ONE** 8(7): e69333. (2013) doi:101371/journal.pone.0069333

Basso K, Sumazin P, Morozov P, Schneider C, **Maute RL**, Kitagawa Y, Mandelbaum J, Haddad JJ, Chen CZ, Califano A, Dalla-Favera R. Identification of the human mature B cell miRNome. **Immunity** 30: 744-752 (2009).

MEETING PRESENTATIONS

Maute RL, Schneider C, Sumazin P, Holmes A, Califano A, Basso K, Dalla-Favera R. A tRNA-derived microRNA modulates the DNA damage response and is downregulated in B cell lymphoma. Keystone Symposia, "Gene Silencing by Small RNAs." Vancouver, Canada, February 2012. (Poster)

Maute RL, Basso K, Sumazin P, Schneider C, Bramachary M, Dalla-Favera R. Characterization of a tRNA-derived microRNA cloned from human B cells. Cancer Biology Training Consortium Chair and Directors Retreat. Tuscon, AZ, October 2010. (Poster)

AWARDS, SCHOLARSHIPS, AND FELLOWSHIPS

Richard C. Parker Memorial Award for Outstanding and Innovative Doctoral Research, March 2013.

Keystone Symposia Scholarship, funded by Eunice Kennedy Shriver National Institute of Child Health and Human Development, February 2012.

Columbia University Cancer Biology Training Grant, September 2008-August 2009 and January 2010-December 2010.

TEACHING EXPERIENCE

Columbia University Medical Center, New York, NY
Graduate Student Teaching Assistant, Fall 2008
Course: Department of Genetics and Development, "Advanced Eukaryotic Molecular Genetics," Instructor: Timothy Bestor Ph.D.