

Andrew Quitadamo

CONTACT INFORMATION	8700 Pinnacle Cross Dr Apt 17 Huntersville, NC aquitada@uncc.edu
EDUCATION	University of North Carolina at Charlotte , Charlotte, North Carolina USA Ph.D. Student, Bioinformatics and Genomics, August 2013 - present University of New Hampshire , Durham, New Hampshire USA B.S., Biochemistry, Molecular and Cellular Biology, May, 2013
HONORS AND AWARDS	GAANN Fellowship 2016 University Scholar 2012, 2013
RESEARCH EXPERIENCE	University of North Carolina at Charlotte <i>Shi Lab</i> January 2014 - present Developing network models of gene interactions, and eQTL analyses in cancer. <i>Janies Lab</i> August 2013 - December 2013 Created a phylogenetic tree of Phlebotominae sandflies using multiple genetic markers. University of New Hampshire <i>Thomas Lab</i> June 2012 - June 2013 Undergraduate research assistant, studied DNA methylation in <i>C. elegans</i> .
TEACHING EXPERIENCE	<i>Teaching Assistant</i> January 2016-May 2016 BINF 6112/8112 - Bioinformatics Programming II Taught lab section of Python programming and guest lectured <i>Teaching Assistant</i> January 2015-May 2015 BINF 6112/8112 - Bioinformatics Programming II Taught lab section of Python programming <i>Undergraduate Teaching Assistant</i> January 2013-May 2013 Supervised BMB 755 - Laboratory in Biochemistry and Molecular Biology <i>PLTL Leader</i> September 2011 - May 2012 Tutored small groups of students in introductory undergraduate physics.
PUBLICATIONS	Quitadamo A, Desai H, and Shi X. "Network Driven Analysis of eQTLs in Lung Adenocarcinoma Subtypes". Poster, Presented at: ACMG Clinical Genetics Meeting: 2016, March 8-12; Tampa FL. Hall B, Quitadamo A, and Shi X. "An Integrative Network Mining Approach in Colorectal Cancer". Poster, Presented at: ACMG Clinical Genetics Meeting: 2016, March 8-12; Tampa FL. Sudmant PH, Rausch T, Gardner EJ, Handsaker RE, Abyzov A, Huddleston J, Zhang Y, Ye K, Jun G, Fritz M, Konkel MK, Malhotra A, Sttz AM, Shi X, Casale FP, Chen J, Hormozdiari F,

Dayama G, Chen K, Malig M, Chaisson M, Walter K, Meiers S, Kashin S, Garrison E, Auton A, Lam H, Mu XJ, Alkan C, Antaki D, Bae T, Chines P, Chong Z, Clarke L, Dal E, Ding L, Emery S, Fan X, Gujral M, Kahveci F, Kidd JM, Kong Y, Lammeijer E-W, McCarthy S, Flicek P, Gibbs RA, Marth G, Menelaou A, Muzny DM, Nelson BJ, Noor A, Parrish NF, Quitadamo A, Raeder B, Schadt E, Schlattl A, Shabalin AA, Untergasser A, Walker JA, Wang M, Yu Y, Zhang C, Zhang J, Zheng-Bradley X, Zhou W, Zichner T, Sebat J, Batzer MA, McCarroll SA, The 1000 Genomes Project Consortium, Mills RE, Gerstein MB, Bashir A, Stegle O, Devine SE, Lee C, Eichler EE, Korbel JO. An integrated map of structural variation in 2,504 human genomes. *Nature* 2015. 562: 75-81. doi:10.1038/nature15394

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B Hall, A Quitadamo, X Shi. "A Graph Community Approach for Constructing microRNA Networks". *Big Data Computing and Communications*, 283-293. doi:10.1007/978-3-319-22047-5_23

Hall B, Quitadamo A, Shi X. "A Network Ensemble of microRNA and Gene Expression in Ovarian Cancer". Poster, Presented at: Biology of Genomes: 2015 May 5-9; Cold Spring Harbor Laboratory.

Quitadamo A, Tian L, Hall B, Shi X. "An Integrated Network of microRNA and Gene Expression in Ovarian Cancer". *BMC Bioinformatics* 2015, 16(Suppl 5):S5. doi:10.1186/1471-2105-16-S5-S5

Tian L, Quitadamo A, Lin F, Shi X. "Methods for Population Based eQTL Analysis in Human Genetics". *Tsinghua Science and Technology*, 2014. 19(6): 624-634. doi:10.1109/TST.2014.6961031

Quitadamo A, Tian L, Shi X. "A Network Approach for Integrative Analysis of Genomic Data in Ovarian Cancer". Poster, Presented at: Intelligent Systems for Molecular Biology: 2014 July 13-15; Boston MA.

Quitadamo A, Lin F, Tian L, and Shi X. "A microRNA-Gene Network in Ovarian Cancer from Genome-Wide QTL Analysis". The 10th International Symposium on Bioinformatics Research and Applications (ISBRA2014), Zhangjiajie, China, June 28-30, 2014.

Van Note A, Quitadamo A, Piemonte A, Ramsdell J, Cocchiola A, Okamoto K, Thomas WK. Role of DNA Methylation in Transposable Element Mobilization in *Caenorhabditis elegans*. Poster, Presented at: 14th Annual Undergraduate Research Conference; 2013 Apr 12-27; Durham, NH.

SOCIAL MEDIA

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