

Andrew Quitadamo

CONTACT INFORMATION

8700 Pinnacle Cross Dr Apt 17
Huntersville, NC
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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

University Scholar 2012, 2013

RESEARCH EXPERIENCE

University of North Carolina at Charlotte

Shi Lab

January 2014 - present

Developing network models of gene interactions, and eQTL analyses in cancer.

Janies Lab

August 2013 - December 2013

Created a phylogenetic tree of Phlebotominae sandflies using multiple genetic markers.

University of New Hampshire

Thomas Lab

June 2012 - June 2013

Undergraduate research assistant, studied DNA methylation in *C. elegans*.

TEACHING EXPERIENCE

Teaching Assistant

January 2015-May 2015

BINF 6112/8112 - Bioinformatics Programming II

Taught lab section of Python programming

Undergraduate Teaching Assistant

January 2013-May 2013

Supervised BMB 755 - Laboratory in Biochemistry and Molecular Biology

PLTL Leader

September 2011 - May 2012

Tutored small groups of students in introductory undergraduate physics.

PUBLICATIONS

Sudmant PH, Rausch T, Gardner EJ, Handsaker RE, Abyzov A, Huddleston J, Zhang Y, Ye K, Jun G, Fritz M, Konkel MK, Malhotra A, Stutz 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, Korb J. An integrated map of structural variation in 2,504 human genomes. *Nature* 2015. 562: 75-81. doi:10.1038/nature15394

The 1000 Genomes Project Consortium. "A Global Reference for Human Genetic Variation". *Nature* 2015. 562: 68-74. doi:10.1038/nature15393

Grace-Lema DM, Yared S, Quitadamo A, Janies DA, Wheeler WC, Balkew M, Hailu A, Warburg A, Clouse RM. "A phylogeny of sand flies (Diptera: Psychodidae: Phlebotominae), using recent Ethiopian collections and a broad selection of publicly available DNA sequence data". *Systematic Entomology* 2015, 40(4): 733-744. doi:10.1111/syen.12135

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

Professional Blog: andrewquitadamo.github.io/blog

LinkedIn: linkedin.com/in/andrewquitadamo

Github: github.com/andrewquitadamo

Twitter: @andrewquitadamo