



Anatole Ghazalpour, PhD, FACMG

Associate Director, Molecular Genetics



EDUCATION

- 2005 Ph.D. University of California, Los Angeles
1998 B.S. University of California, Los Angeles
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POSTDOCTORAL TRAINING

- 2005-2009 Fellow in Medical Genetics
University of California, Los Angeles
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CERTIFICATION

- Diplomate of American Board of Medical Genetics
-

ACADEMIC APPOINTMENTS

- 2010-2011 Research Associate, *University of California, Los Angeles*
2005-2010 Postdoctoral Fellow, *University of California, Los Angeles*
2006-2008 Adjunct Faculty, *Mount St. Mary College, Los Angeles*
2005 Lecturer, *University of California, Los Angeles*
2001-2003 Teacher's Assistant, *University of California, Los Angeles*
-

PROFESSIONAL SOCIETIES

- American College of Medical Genetics Fellow
American Board of Medical Genetics Diplomate



SELECT PUBLICATIONS

Anatole Ghazalpour, Brian Bennett, Vladislav A. Petyuk, Luz Orozco, Raffi Hagopian, Imran N. Mungro, Charles R. Farber, Janet Sinsheimer, Hyun M. Kang, Nicholas Furlotte, Christopher C. Park, Ping-Zi Wen, Heather Brewer, Karl Weitz, David G. Camp, Calvin Pan, Roumyana Yordanova, Isaac Neuhaus, Charles Tilford, Nathan Siemers, Peter Gargalovic, Eleazar Eskin, Todd Kirchgesner, Desmond J. Smith, Richard D. Smith, Aldons J. Lusis. *Comparative Analysis of Proteome and Transcriptome Variation in Mouse*. PLoS Genetics. 09 Jun 2011

Farber CR, Bennett BJ, Orozco L, Zou W, Lira A, Kostem E, Kang HM, Furlotte N, Berberyan A, **Ghazalpour A**, Suwanwela J, Drake TA, Eskin E, Wang QT, Teitelbaum SL, Lusis AJ. *Mouse genome-wide association and systems genetics identify *Asxl2* as a regulator of bone mineral density and osteoclastogenesis*. PLoS Genet. 2011 Apr;7(4)

Park CC, Gale GD, Dejong S, **Ghazalpour A**, Bennett B, Farber CR, Langfelder P, Lin A, Khan AH, Eskin E, Horvath S, Lusis AJ, Ophoff RA, Smith DJ. *Gene networks associated with conditional fear in mice identified using a systems genetics approach*. BMC Syst Biol. 2011 Mar 16;5(1):43

Bennett BJ, Farber CR, Orozco L, Min Kang H, **Ghazalpour A**, Siemers N, Neubauer M, Neuhaus I, Yordanova R, Guan B, Truong A, Yang WP, He A, Kayne P, Gargalovic P, Kirchgesner T, Pan C, Castellani LW, Kostem E, Furlotte N, Drake TA, Eskin E, Lusis AJ. *A high-resolution association mapping panel for the dissection of complex traits in mice*. Genome Research 2010 Jan 6.

Orozco LD, Cokus SJ, **Ghazalpour A**, Ingram-Drake L, Wang S, van Nas A, Che N, Araujo JA, Pellegrini M, Lusis AJ. *Copy number variation influences gene expression and metabolic traits in mice*. Hum Mol Genet. 2009 Nov 1;18(21):4118-29.

PUBLISHED ABSTRACT: American Society for Bone and Mineral Research, 31st annual meeting, Denver, Colorado USA, Sep 11-15 2009. *A Novel Systems Genetic Resource for Bone Biology*. Charles R. Farber, Brian B. Bennett, Luz Orozco, Hyun M. Kang, Hongxiu Qi, Emrah Kostem, **Anatole Ghazalpour**, Peng-zi Win, Emily A. Farber, Ani Berberyan, Jaijam Suwanwela, Thomas A. Drake, Eleazar Eskin and Aldons J. Lusis.

Yang X, Deignan JL, Qi H, Zhu J, Qian S, Zhong J, Torosyan G, Majid S, Falkard B, Kleinhanz RR, Karlsson J, Castellani LW, Mumick S, Wang K, Xie T, Coon M, Zhang C, Estrada-Smith D, Farber CR, Wang SS, van Nas A, **Ghazalpour A**, Zhang B, Macneil DJ, Lamb JR, Dipple KM, Reitman ML, Mehrabian M, Lum PY, Schadt EE, Lusis AJ, Drake TA. *Validation of candidate causal genes for obesity that affect shared metabolic pathways and networks*. Nature Genetics, 2009 Mar 8.

Farber CR, van Nas A, **Ghazalpour A**, Aten JE, Doss S, Sos B, Schadt EE, Ingram-Drake L, Davis RC, Horvath S, Smith DJ, Drake TA, Lusis AJ. *An integrative genetics approach to identify candidate genes regulating BMD: combining linkage, gene expression and association*. J Bone Miner Res. 2009 Jan;24(1):105-16

Anatole Ghazalpour, Sudheer Doss, Hyun Kang, Alec Brozell, Ruth Castellanos, Eleazar Eskin, Desmond J. Smith, Thomas A. Drake, Aldons J. Lusis. *High Resolution Mapping of Gene Expression Using Association in an Outbred Mouse Stock*. PLoS Genetics. 2008 Aug 8;4(8)

Chen Y, Zhu J, Lum PY, Yang X, Pinto S, MacNeil DJ, Zhang C, Lamb J, Edwards S, Sieberts SK, Leonardson A, Castellini LW, Wang S, Champy MF, Zhang B, Emilsson V, Doss S, **Ghazalpour A**, Horvath S, Drake TA, Lusis AJ, Schadt EE. *Variations in DNA elucidate molecular networks that cause disease*. Nature, 2008 Mar 27;452(7186):429-35.

PUBLISHED ABSTRACT: 2007 Annual Clinical Genetics Meeting, Nashville, Tennessee USA, 2007, March 21-25, "Evaluation of Reproducibility and Reusability of the NanoChip 400 System for Cystic Fibrosis Mutation Genotyping"; **Anatole Ghazalpour**, Wayne. W. Grody.

Tova F. Fuller*, **Anatole Ghazalpour***, Jason E. Aten, Thomas A. Drake, Aldons J. Lusis, Steve Horvath. *Weighted Gene Co-expression Network Analysis Applied to Mouse Weight*. Mammalian Genome. 2007 Jul;18(6-7):463-72

PUBLISHED ABSTRACT: 4th International Conference on Pathways, Networks, and Systems, Mykonos, Greece, 2006, Oct 8-13. "Integrating Genetic and Network Analysis to Characterize Genes Related to Mouse Weight"; Sudheer Doss, **Anatole Ghazalpour**, Bin Zhang, Susanna Wang, Ruth Castellanos, Alec Brozell, Eric E. Schadt, Steve Horvath, Thomas A. Drake, Aldons J. Lusis.

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