

David Angeles-Albores

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Education

- 2013–2018 **Ph.D.**, Biochemistry and Molecular Biophysics,
California Institute of Technology
Defense Date: 18 September, 2018
Degree Awarded: 31 October, 2018
- 2009–2013 **B.A., cum laude**, Biology
Cornell University

Research Publications

[†] denotes equal contributions.

Journal Articles

- 1 Angeles-Albores, D., & Sternberg, P. W. (2018). Using Transcriptomes as Mutant Phenotypes Reveals Functional Regions of a Mediator Subunit in *Caenorhabditis elegans*. *Genetics*, genetics.301133.2018. doi:10.1534/genetics.118.301133
- 2 [†]Angeles-Albores, D., [†]Puckett Robinson, C., Williams, B. A., Wold, B. J., & Sternberg, P. W. (2018). Reconstructing a metazoan genetic pathway with transcriptome-wide epistasis measurements. *Proceedings of the National Academy of Sciences*, 201712387. doi:10.1073/pnas.1712387115
- 3 [†]Angeles-Albores, D., [†]Leighton, D. H. W., Tsou, T., Khaw, T. H., Antoshechkin, I., & Sternberg, P. W. (2017). The *Caenorhabditis elegans* Female-Like State: Decoupling the Transcriptomic Effects of Aging and Sperm Status. *G3 (Bethesda, Md.)* 7(9), 2969–2977. doi:10.1534/g3.117.300080
- 4 Angeles-Albores, D., N. Lee, R. Y., Chan, J., & Sternberg, P. W. (2016). Tissue enrichment analysis for *C. elegans* genomics. *BMC Bioinformatics*, 17(1), 366. doi:10.1186/s12859-016-1229-9
- 5 Albores-Saavedra, J., Chable-Montero, F., Angeles-Albores, D., Schwartz, A., Klimstra, D. S., & Henson, D. E. (2011). Early Gallbladder Carcinoma. *American Journal of Clinical Pathology*, 135(4), 637–642. doi:10.1309/AJCPFRKCFEDLV03Y
- 6 Albores-Saavedra, J., Schwartz, A. M., Henson, D. E., Kostun, L., Hart, A., Angeles-Albores, D., & Chablé-Montero, F. (2011). Cutaneous angiosarcoma. Analysis of 434 cases from the surveillance, epidemiology, and end results program, 1973–2007. *Annals of Diagnostic Pathology*, 15(2), 93–97. doi:10.1016/j.anndiagpath.2010.07.012

μPublications

- 1 Angeles-Albores, D., N. Lee, R. Y., Chan, J., & Sternberg, P. W. (2018). Two new functions in the WormBase Enrichment Suite. *microPublication Biology*. doi:10.17912/W25Q2N

Scientific Talks

- 2018 **Bay Area Worm Meeting**
Allelic series analyses using transcriptomic phenotypes
- 2017 **21st C. elegans International Meeting**, WormBase: Tools, Content and Community Annotation, Workshop
Gene Set Analysis tool for Gene Ontology (GO), Phenotype, and Tissue Enrichment
Annual Departmental Retreat, California Institute of Technology
Genome-wide, unbiased experimental genetics
Biochemistry and Molecular Biophysics Seminar Series, California Institute of Technology
Transcriptomic Genetics: A new way to use RNA-sequencing data
Center for Environmental Microbial Interactions, California Institute of Technology
Genome-wide unbiased experimental genetics
- 2016 **Annual Biochemistry and Molecular Biophysics Program Retreat**, California Institute of Technology
Reconstruction of a genetic pathway using whole-organism expression profiles
Graduate Biology Seminar, California Institute of Technology
Transcriptome-wide epistasis in mRNA expression profiles

Awards

- 2018 Florence C. Rose and S. Meryl Rose Endowed Scholarship for attendance to the Embryology course at the Marine Biological Laboratory
- 2014 Amgen Graduate Student Fellowship
- 2012 EXROP Capstone Award
- 2011 EXROP HHMI Summer Fellowship

Scientific Courses

- 2015 **Embryology**, Marine Biological Laboratory at Woods Hole

Teaching and Mentoring Experience

Teaching

- 2017–2018 **Systems Genetics**, Teaching Assistant, *California Institute of Technology*
- 2016 **Introduction to Biology**, Teaching Assistant, *California Institute of Technology*
- 2015 **Order of Magnitude Biology**, Teaching Assistant, *California Institute of Technology*
- 2014 **Advanced Experimental Methods in Bioorganic Chemistry**, Teaching Assistant, *California Institute of Technology*

Mentoring

- 2016–Present **Kyung Hoi Min**, Caltech undergraduate, experimental and computational student, *California Institute of Technology*
- Summer 2018 **Vladimir Molchanov**, Saint Petersburg Bioinformatics Institute undergraduate, experimental student, *California Institute of Technology*

Teaching and Mentoring Experience (continued)

Summer 2015	Tiffany Tsou , UCSB undergraduate, experimental student, <i>California Institute of Technology</i>
2014–2015	Isabelle Phinney , Polytechnic School, computational student, <i>California Institute of Technology</i>

Outreach

2017	Speaker , <i>What is Clubes de Ciencias Mexico?</i> , SACNAS
2016	Co-instructor , <i>De Planarias y Derivas</i> , Clubes de Ciencia México, Guanajuato Co-instructor , <i>De Genes y Animales</i> , Clubes de Ciencia México, Ensenada
2015	Student selection committee , Clubes de Ciencia México
2014	Guest instructor , <i>Biología a través de los números</i> , Clubes de Ciencia México, Ensenada

Scientific Societies

2014–Present	Genetics Society of America
2015–Present	Society for Developmental Biology

References

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