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

Appointments

01/2019– **Postdoctoral Associate**, Laboratory of Eric J. Alm,
Massachusetts of Technology

11/2018–01/2019 **Postdoctoral Fellow**, Labs of Paul W. Sternberg and Matt Thomson,
California Institute of Technology

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

2019 **ASBMB Special Symposium: Evolution and Core Processes in Gene Expression**
Transcriptomes as phenotypes

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

2015 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*

Teaching and Mentoring Experience (continued)

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

2016–2019 **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*

Summer 2015 **Tiffany Tsou**, UCSB undergraduate, experimental student, *California Institute of Technology*

2014–2015 **Isabelle Phinney**, Polytechnic School, computational student, *California Institute of Technology*

Outreach

2017 **Speaker**, *What is Clubes de Ciencias Mexico?*, SACNAS

2016 **Co-instructor**, *De Planarias y Derivas*, Clubes de Ciencia México, Guanajuato

Co-instructor, *De Genes y Animales*, Clubes de Ciencia México, Ensenada

2015 **Student selection committee**, Clubes de Ciencia México

2014 **Guest instructor**, *Biología a través de los números*, Clubes de Ciencia México, Ensenada

Scientific Societies

2014–Present Genetics Society of America

2015–Present Society for Developmental Biology

References

Professor Paul W. Sternberg
California Institute of Technology,
MC 156–29, Pasadena CA 91125
pws@caltech.edu

Professor Dianne K. Newman
California Institute of Technology,
MC 147–75, Pasadena CA 91125
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Assistant Professor Matthew Thomson
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Assistant Research Professor Erich M. Schwarz
Cornell University,
Biotechnology 351,
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