

David Angeles-Albores

+1 607 379 4030 dangeles@mit.edu
@DavidAngeles13 dangeles.github.io
https://github.com/dangeles
77 Massachusetts Ave, Bldg NE47-309, Cambridge, MA 02139

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.3011133.2018. 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

- I 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 **Hanna H Gray Semifinalist Symposium**
Phenotypes, epistasis, and probability theory
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*
- 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
✉ dkn@caltech.edu

Assistant Professor Matthew Thomson
California Institute of Technology,
216–76, Pasadena CA 91125
✉ mthomson@caltech.edu

Assistant Research Professor
Erich M. Schwarz
Cornell University,
Biotechnology 351,
Cornell University, Ithaca,
NY 14853–2703
✉ ems394@cornell.edu