

Curriculum Vitae

David Angeles-Albores

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Specialties in genetics and transcriptomics of *C. elegans*

Education

- 2013-2019**
(expected) **PhD in Biochemistry and Molecular Biophysics**
California Institute of Technology
Transcriptome profiles as a new phenotype for classical genetics.
Mentor: Paul W. Sternberg
- 2009-2013** **BA, *cum laude*, Molecular and Computational Biology**
Cornell University

Research Articles

Superscript [†] indicates equal contributions.

1. **Angeles-Albores, D.** & Sternberg P.W. A study of allelic series using transcriptomic phenotypes. *in prep.*
2. **Angeles-Albores, D.** & Sternberg P.W. A mechanistic theory of *trans*-regulatory epistasis. *in prep.*
3. **Angeles-Albores, D.**[†], Puckett Robinson, C.[†], Williams B. A., Wold B. J., & Sternberg P. W. Reconstructing a metazoan genetic pathway with transcriptome-wide epistasis measurements. *bioRxiv*, (2017).
4. **Angeles-Albores, D.**[†], Leighton, D. H. W.[†], Tsou T., Khaw T. H., Antoshechkin I., & Sternberg P. W. Transcriptomic Description of an Endogenous Female State in *C. elegans*. *G3 Genes, Genomes, Gen*, (2017).
5. **Angeles-Albores, D.**, Raymond Y. N. Lee, Chan J., & Sternberg P. W. Phenotype and gene ontology enrichment as guides for disease modeling in *C. elegans*. *bioRxiv*, (2017).
6. **Angeles-Albores, D.**, Raymond Y. N. Lee, Chan J., & Sternberg P. W. Tissue enrichment analysis for *C. elegans* genomics. *BMC Bioinformatics*, (2016).

Awards

2014-2015 Amgen Fellowship

Presentations¹

2017.

- Talk, *Introduction to the WormBase Enrichment Suite*, Worm
- Poster, *A framework for automated RNA-seq analysis*, Worm
- Poster, *Epistasis analysis using RNA-seq*, Worm
- Poster, *Transcriptomes as phenotypes: synMuvs as a case study*, Worm

2016.

- Poster, *Complete Reconstruction of a Genetic Pathway in a Metazoan Using RNA-seq*, ASCB

Scientific courses

2015. Embryology, Marine Biological Laboratory at Woods Hole.

Teaching Activities

2017–2014

1. Teaching Assistant, Bi190, Systems Genetics
2. Teaching Assistant. Bi1, Introduction to Biology
3. Teaching Assistant. Be/Bi101, Order of Magnitude Biology
4. Teaching Assistant. Ch 7, Advanced Experimental Methods in Bioorganic Chemistry

Community Service

2016.

- Instructor. *De Planarias y Derivas*, **CdeCMX**
- Instructor, *De Genes y Animales*, **CdeCMX**.

¹ Only first author presentations are listed.