

# 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 <sup>†</sup> 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.**<sup>†</sup>, Puckett Robinson, C.<sup>†</sup>, 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.**<sup>†</sup>, Leighton, D. H. W.<sup>†</sup>, 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).

## Presentations<sup>1</sup>

2017.

- Talk, *Introduction to the WormBase Enrichment Suite*, Worm
- Poster, *A framework for automated RNA-seq analysis*, Worm

<sup>1</sup> Only first author presentations are listed.

- 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**.