

CURRICULUM VITAE

Michael Chiang

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EDUCATION HISTORY

University of California, Irvine 2015
Ph.D. in Biological Sciences

California Institute of Technology 2008
B.S. in Physics
Graduated with honors

PUBLICATIONS (PEER REVIEWED)

See <http://www.michael-chiang.com/publications/> for “Explain Like I’m Five” summaries of selected works.

Chiang, M., Cinquin, A., Paz, A., Meeds, E., Price, C., Welling, M., & Cinquin, O. (2015). Control of *C. elegans* germline stem cell cycling speed meets requirements of design to minimize mutation accumulation. *BMC Biology*, 13(1):51.

Chiang, M., Hallman, S., Cinquin, A., de Mochel, N., Paz, A., Kawauchi, S., Calof, A., Cho, W., Fowlkes, C., & Cinquin, O. (2015). Analysis of in vivo single cell behavior by high throughput, human-in-the-loop segmentation of three-dimensional images. *BMC Bioinformatics*, 16:397.

Cinquin, A., **Chiang, M.**, Paz, A., Hallman, S., Vysniauskaite, I., Yuan, O., Fowlkes, C., & Cinquin, O. (2016). Intermittent stem cell cycling balances self-renewal and senescence of the *C. elegans* germ line. *PLoS Genetics* (accepted)

Meeds, T., **Chiang, M.**, Lee, M., Cinquin, O., Lowengrub, J., & Welling, M. (2015). POPE: post optimization posterior evaluation of likelihood free models. *BMC Bioinformatics*, 16:264

de Mochel, N., Luong, M., **Chiang, M.**, Javier, A., Luu, E., Toshihiko, F., MacGregor, G., Cinquin, O., & Cho, K.W. (2015). BMP signaling is required for cell cleavage in preimplantation-mouse embryos. *Developmental Biology*, 397(1), 45-55.

Cinquin A., Zheng L., Taylor P., Paz A., Zhang L., **Chiang M.**, Snow J., Nie Q., Cinquin O. (2015) Semi-permeable diffusion barriers enhance patterning robustness in the *C. elegans* germ line. *Dev Cell*, 35(4), 405-417.

AWARDS AND SCHOLARSHIPS

Center for Complex Biological Systems project competition winner, University of California, Irvine, \$10,000 granted for project “Lipid accumulation in macrophages as an atherosclerosis marker”, \$500 award for student 2012

Bioinformatics Training Program Grant T15 LM7443-10 2012

Developmental and Systems Biology Training Grant T32 HD060555-01. 2010