CURRICULUM VITAE

Michael Chiang

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)

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.*

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.*

Cinquin, A., **Chiang, M.**, Paz, A., Hallman, S., Yuan, O., Fowlkes, C., & Cinquin, O. (201X). Intermittent stem cell cycling balances self-renewal and senescence of the *C. elegans* germ line. *Submitted*

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 2012

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