CURRICULUM VITAE
Michael Chiang
http://www.michael-chiang.com

EDUCATION HISTORY

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

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

REFEREED JOURNAL ARTICLES (ACCEPTED)
See http://www.michael-chiang.com/publications/ for layman 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, 12(4):e1005985.*

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,   2012
Irvine, $10,000 granted for project "Lipid accumulation in macrophages as an atherosclerosis
marker", $500 award for student

Bioinformatics Training Program Grant T15 LM7443-10   2012

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

WEB DEVELOPMENT

www.journalClubDB.com
I am the principal developer of JournalClubDB, a free service for collaborative pdf annotation. Users can share scientific articles within groups and write comments directly on the pdf. JournalClubDB is meant to supplement discussions in academic journal clubs. Please feel free to try the demo at: www.journalclubdb.com/demo/

www.mcatDB.com
I am the principal developer of mcatDB, a free test preparation service. This site is still under development.

PROFESSIONAL ACTIVITIES

Ad hoc reviewer
PLOS ONE, IEEE/ACM Transactions on Computational Biology and Bioinformatics

Teaching assistant (UCI)
Bio 97 (genetics), Bio 100 (scientific writing)