

Yiliang Wei

Cold Spring Harbor Laboratory
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WORK EXPERIENCE

Postdoctoral Research Fellow (Sep 2016 – present)

Cold Spring Harbor Laboratory

Graduate Research Assistant (Sep 2010 – May 2016)

Department of Biochemistry and Molecular Biology, Michigan State University

Undergraduate Research Assistant (May 2009 – May 2010)

National Institute of Biological Sciences, Beijing, China

Undergraduate Research Assistant (Jun 2008 – May 2009)

Beijing Normal University, Beijing, China

EDUCATION

2016 Ph.D. in Biochemistry and Molecular Biology (May 2016)

Michigan State University, East Lansing, Michigan

Thesis advisor: David N. Arnosti, Professor, Department of Biochemistry and Molecular Biology

Thesis title: Transcriptional Regulation in *Drosophila*—From Genome to Gene

2010 B.S. in Biological Sciences

College of Life Sciences, Beijing Normal University, Beijing, China

PUBLICATIONS

1. **Wei, Y.**, Gokhale, R., Sonnenschein, A., Montgomery, K., Ingersoll, A., & Arnosti, DN. (2016). Cis-regulatory landscape of the insulin receptor gene reveals complex controls for dynamic regulation of a “housekeeping” gene. *Development*, 143(19), 3591-3603
2. **Wei, Y.**, Mondal, SS., Wilczyński, B., Mouawad, R., Henry, RW., & Arnosti, DN. (2015). Genome-wide analysis of *Drosophila* Rbf2 protein highlights diversity of RB family targets and possible role in regulation of ribosome biosynthesis. *G3 (Bethesda)*, 5(7), 1503-15.
3. **Wei, Y.**, Arnosti, DN. (2015). Enhancer trafficking: free throws and three-pointers. *Dev. Cell*, 32(2), 137-7.
4. Zhang, L., **Wei, Y.**, Pushel, I., Heinze, K., Elenbass, J., Henry, RW., & Arnosti, DN. (2014). Integrated stability and activity control of the *Drosophila* rbf1 retinoblastoma protein. *J. Biol. Chem*, 289(36), 24863-73.
5. Raj, N., Zhang, L., **Wei, Y.**, Arnosti, DN., & Henry, RW. (2012). Ubiquitination of retinoblastoma family protein 1 potentiates gene-specific repression function. *J Biol Chem*, 287(50), 41835-43.
6. Acharya, P., Negre, N., Johnston, J., **Wei, Y.**, White, KP., Henry, RW., & Arnosti, DN. (2012). Evidence for autoregulation and cell signaling pathway regulation from genome-wide binding of the *drosophila* retinoblastoma protein. *G3 (Bethesda)*, 2(11), 1459-72.
7. Raj, N., Zhang, L., **Wei, Y.**, Arnosti, DN., & Henry, RW. (2012). Rbf1 degron dysfunction enhances cellular DNA replication. *Cell Cycle*, 11(20), 3731-8.
8. **Blog-post:** Wei, Y. “The Many “Arms-and-Eyes” of Retinoblastoma Family Proteins” (2015) (beacon-center.org)

CONFERENCE PRESENTATIONS

1. **Wei, Y.** (2015) Cis regulatory landscape of the *Drosophila* insulin receptor gene reveals complex controls for dynamic regulation (Poster Presentation). ASBMB Special Symposium on Evolution and Core Processes in Gene Regulation, St. Louis, MO.
2. **Wei, Y.** (2015) Diverse regulation of the insulin receptor gene by ecdysone, FOXO, and retinoblastoma corepressor in *Drosophila* (Poster Presentation). 56th Annual *Drosophila* Research Conference, Chicago, IL.
3. **Wei, Y.** (2014) Transcriptional regulation of the insulin receptor gene in *Drosophila melanogaster* (Poster Presentation). Midwest Chromatin and Epigenetics Meeting, Madison, WI.
4. **Wei, Y.** (2013) Transcriptional regulation of the insulin receptor gene in *Drosophila melanogaster* (Poster Presentation). ASBMB Special Symposium on Evolution and Core Processes in Gene Regulation, Chicago, IL.
5. **Wei, Y.** (2012) Role of *Drosophila* retinoblastoma proteins in insulin signaling pathway regulation (Poster Presentation). 53rd Annual *Drosophila* Research Conference, Chicago, IL.

SERVICE TO PROFESSION

- Journal manuscript review for PLOS ONE, 2017
- Journal manuscript review for G3 (Gene|Genomes|Genetics, Genetics Society of America), 2015
- Invited guest speaker for an undergraduate lecture on bioinformatics, 2014, 2016
- Volunteering for department graduate student recruiting program, 2013
- Volunteering for department curriculum committee, 2013

TEACHING EXPERIENCE

During my graduate school at Michigan State University, I mentored and supervised 3 graduate students, 5 undergraduates, and one high-school student. I mentored a minority undergraduate student during her four years at MSU; Kelly Montgomery co-authored a manuscript and is now in a Ph.D. program at the University of Wisconsin, Madison. Besides the mentorship in the lab, I have experience in classroom- and laboratory-based instruction, having served as a TA for several courses with classroom sizes ranging from 40 to 150 students.

HONORS AND FELLOWSHIPS

- Outstanding Graduate Research Award, Dept. of Biochemistry and Molecular Biology, Michigan State University, 2016
- College of Natural Science Dissertation Continuation Fellowship, Michigan State University, 2014, 2015, 2016.
- Academic Fellowship, Beijing Normal University, 2007, 2008.