

Lin, J.Y., Le, B.H., **Chen, M.**, Henry, K.F., Hur, J., Hsieh, T.F., Pellegrini, M., Fischer, R.L., Harada, J.J., Goldberg, R.B. (2017) Similarity between soybean and Arabidopsis seed methylomes and loss of non-CG methylation does not affect seed development. *Proc. Natl. Acad. Sci. USA*, 114(45):E9730-E9739.

Danzer, J., Mellott, E., Bui, A.Q., Le, B.H., Martin, P., Hashimoto, M., Perez-Lesher, J., **Chen, M.**, Pelletier, J.M., Somers, D.A., Goldberg, R.B., Harada, J.J. (2015) Down-regulating the expression of 53 soybean transcription factor genes uncovers a role for SPEECHLESS in initiating stomatal cell lineages during embryo development, *Plant Physiology*, 168(3):1025-1035.

Ruboyianes, M. V., **Chen, M.**, Dubrava, M. S., Cherwa J. E., Fane, B. A. (2009) The Expression of N-Terminal Deletion DNA Pilot Proteins Inhibits the Early Stages of ϕ X174 Replication. *J. Virology*, 83(19):9952-9956.

Chen, M., Uchiyama, A., Fane, B. A. (2007) Eliminating the requirement of an essential gene product in an already very small virus: scaffolding protein B-free ϕ X174, B-free. *J. Mol. Biol.* 373(2): 308-314.

Uchiyama, A., **Chen, M.**, Fane, B. A. (2007) Characterization and function of putative substrate specificity domain in Microvirus external scaffolding proteins. *J. Virology*, 81(16): 8587-92.

Fane, B. A., **Chen, M.**, Cherwa, J., Uchiyama, A. (2007) Single-stranded Icosahedral Bacterial Viruses. *Encyclopedia of Virology*. Elsevier, London.

Fane, B. A., Brentlinger, K. L., Burch, A. D., **Chen, M.**, Hafenstein, S. Moore, E., Novak, C. R. Uchiyama, A. (2006) ϕ X174 et al. *The Microviridae*. In: *The Bacteriophages*. Ed. R. Calendar. Oxford Press.

Hafenstein, SL, **Chen M**, Fane, BA. 2004. Genetic and functional analyses of the ϕ X174 DNA binding protein: the effects of substitutions for amino acid residues that spatially organize the two DNA binding domains. *Virology*. 5;318(1):204-213.

Yang, L, **Chen, M**, et.al., 1999. Carpel of cucumber (*Cucumis sativus*. L) male flowers maintain early primordia characteristics during organ development. *Chinese Science Bulletin*, 45(8): 729-733.

PRESENTATIONS

Using Giant Bean Embryo to Dissect Plant Early Seed Development, 25th Annual Embryo 21st Century/ Seed Institute Conference, 2019, Los Angeles, California.

Searching for Unmethylated Genomic Regions During Seed Development and Post-Germination, 24th Annual Embryo 21st Century/ Seed Institute Conference, 2017, Los Angeles, California.

Searching for DNA Methylation Valleys (DMVs) That Are Devoid of Methylation During Seed Development and Post-Germination, 23rd Annual Embryo 21st Century/ Seed Institute Conference, 2017, Los Angeles, California.

Using Scarlet Runner Bean Giant Embryos to Dissect Suspensor Regulatory Networks
– The SRB WOX9 Story, 20th Annual Embryo 22nd Century/ Seed Institute Conference, 2014,
Lake Arrowhead, California.

Dynamic Changes in Soybean Methylomes During Seed Development, 21st Annual Embryo 21st
Century/ Seed Institute Conference, 2013, Lake Arrowhead, California.

What is the Function of Suspensor – A Genomics Approach, 20th Annual Embryo 21st Century/
Seed Institute Conference, 2012, Lake Arrowhead, California.

Developmental Characterization of Soybean Seed Methylomes: A Surprise, 19th Annual Embryo
21st Century/ Seed Institute Conference, 2011, Lake Arrowhead, California.

Characterization of Soybean Seed Methylomes, 18th Annual Embryo 21st Century/ Seed
Institute Conference, 2010, Lake Arrowhead, California.

Characterization of DNA Methylation Patterns in Specific Soybean Seed Compartments and
Tissues: a Beginning, 17th Annual Embryo 21st Century/ Seed Institute Conference, 2009, Lake
Arrowhead, California.

Identifying Genes Active in Soybean Seeds Using 454 DNA Sequencing, 16th Annual Embryo
21st Century/ Seed Institute Conference 2008, Lake Arrowhead, California.

Genetic analyses of the ϕ X174 internal scaffolding protein: extrusion and putative auto proteolytic
activity, ASM Conferences: The New Phage Biology, 2004, Key Biscayne, Florida.