

Lili Zhou, Ph.D.

Research Associate

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Lab Tel:



Education

- 2012 Ph.D. Neuroscience, Northwestern University; Advisor: Dr. Fred Turek
- 2006 M.S. Genetics, Kansas State University; Advisor: Dr Guihua Bai
- 2003 B.S. Biotechnology, South China Agricultural University, Guangzhou, China

Postdoctoral Training

- 2013-2015 Postdoctoral Fellow, University of Southern California, Biological Sciences; Advisor: Dr. Steve Kay
- 2016-2017 Postdoctoral Fellow, Molecular Medicine, The Scripps Research Institute
Advisor: Dr. Steve Kay
- 2018- Research Associate, Neurology, Keck School of Medicine
Advisor: Dr. Steve Kay

Research Interest: Using large-scale genomic approaches with innovative chemical strategies to investigate the composition and organization of circadian networks.

Awards and Honors

- 2012 Society for Research on Biological Rhythms (SRBR) Research Merit Award
- 2006 University Fellowship, Northwestern University
- 2005 Don C. Warren Genetic Scholarship for outstanding student, Kansas State University
- 1999-2003 Outstanding Academic Performance Award, South China Agricultural University

Publications

Zhou L, Bryant CD, Loudon A, Palmer AA, Vitaterna MH, Turek FW. The Circadian Clock Gene *Csnk1e* Regulates Rapid Eye Movement Sleep Amount, and Nonrapid Eye Movement Sleep Architecture in Mice. *Sleep* 2014;37(4):785-793. doi:10.5665/sleep.3590.

Brunner, J.I., Gotter, A.L., Millstein, J., Garson, S., Binns, J., Fox, S.V., Savitz, A.T., Yang, H.S., Fitzpatrick, K., **Zhou, L.**, Owens, J.R., Webber, A.L., Vitaterna, M.H., Kasarskis, A.,

Uebele, V.N., Turek, F., Renger, J.J., Winrow, C.J. Pharmacological validation of candidate causal sleep genes identified in an N2 cross. *J Neurogenet.* 2011 Dec; 25(4):167-81.

Bryant, C.D., Parker, C.C., **Zhou, L.**, Olker, C., Chandrasekaran, R.Y., Wager, T.T., Bolivar, V.J., Loudon, A.S., Vitaterna, M.H., Turek, F.W., Palmer, A.A. *Csnk1e* is a genetic regulator of sensitivity to psychostimulants and opioids. *Neuropsychopharmacology.* 2011 Nov 16.

Millstein, J., Winrow, C.J., Kasarskis, A., Owens, J.R., **Zhou, L.**, Summa, K.C., Fitzpatrick, K., Zhang, B., Vitaterna, M.H., Schadt, E.E., Renger, J.J., Turek, F.W. Identification of causal genes, networks, and transcriptional regulators of REM sleep and wake. *Sleep.* 2011 Nov 1; 34(11):1469-77.

Winrow, C.J., Williams, D.L., Kasarskis, A., Millstein, J., Laposky, A.D., Yang, H.S., Mrazek, K., **Zhou, L.**, Owens, J.R., Radzicki, D., Preuss, F., Schadt, E.E., Shimomura, K., Vitaterna, M.H., Zhang, C., Koblan, K.S., Renger, J.J., Turek, F.W. Uncovering the genetic landscape for multiple sleep-wake traits. *PLoS One.* 2009; 4(4):e5161. Epub 2009 Apr 10.

Zhou, L., Bai, G., Carver, B., Zhang, D. Identification of new sources of aluminum resistance in wheat, *Plant and Soil*, published online: July 2007.

Zhou, L., Ma, H., Bai, G., Carver, B. Quantitative trait loci for aluminum resistance in wheat, *Molecular Breeding*, published online: Oct 2006.

Ma, H., Bai, G., Carver, B., **Zhou, L.**, Molecular mapping of a quantitative trait locus for aluminum tolerance in wheat cultivar Atlas 66, *Theoretical and Applied Genetics*, Oct 2005 1-7.