Tamaki Suganuma

Education:

April 1997 to March 2001: Department of Molecular Embryology, Graduate School, Tokyo Medical and Dental University, Tokyo, Japan.
Awarded the degree of Ph.D. for a thesis entitled "Suppression of Tumor Cell Growth by Reintroduction of p300." Work supervised by Dr. Masa-Aki Ikeda.

Publications

1. Suganuma, T.**, Swanson, S. K., Florense, L., Washburn, M. P., Workman, J. L. (2015). Moco biosynthesis and the ATAC acetyltransferase engage translation initiation by inhibiting latent PKR activity. JMCB (in press) (**corresponding).

2. Li, S., Swanson, S. K., Gogol, M., Florense, L., Washburn, M. P., Workman, J. L., and Suganuma, T.** (2015). Serine and SAM responsive complex SESAME regulates histone modification crosstalk by sensing cellular metabolism. Mol. Cell 60. 408-421 (**corresponding).

3. Suganuma, T.** (2013). Emerging Areas of Chromatin Research, Fundamentals of Chromatin, Chapter 14, 553-572, Springer**.** (**corresponding).

4. Zhang D, Suganuma T., Workman, JL. (2013). Acetylation regulates Jun protein turnover in *Drosophila*. Biochim Biophys Acta (13). 00118-1.

5. Suganuma, T.**, and Workman, J.L. (2013). Chromatin and signaling. Curr. Opin. Cell Biol. 25(3), 322-6. (**corresponding).

6. Suganuma, T., and Workman, J.L. (2012). MAP kinases and histone modification. Journal of molecular cell biology *4*, 348-350.

7. Suganuma, T.******, Mushegian, A., Swanson, S.K., Florens, L., Washburn, M.P., and Workman, J.L. (2012). A metazoan ATAC acetyltransferase subunit that regulates mitogen-activated protein kinase signaling is related to an ancient molybdopterin synthase component. Molecular & cellular proteomics : MCP *11*, 90-99. (**corresponding).

8. Steinberg, X.P., Hepp, M.I., Fernandez Garcia, Y., Suganuma, T., Swanson, S.K., Washburn, M., Workman, J.L., and Gutierrez, J.L. (2012). Human CCAAT/enhancer-binding protein beta interacts with chromatin remodeling complexes of the imitation switch subfamily. Biochemistry *51*, 952-962.

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15. Suganuma, T., and Ikeda, M. (2008). Tumor Growth Suppression by the Coactivator p300. Journal of Oral Bioscience *50*, 115-124.

16. Suganuma, T., Gutierrez, J.L., Li, B., Florens, L., Swanson, S.K., Washburn, M.P., Abmayr, S.M., and Workman, J.L. (2008a). ATAC is a double histone acetyltransferase complex that stimulates nucleosome sliding. Nature structural & molecular biology *15*, 364-372.

17. Guelman, S., Suganuma, T., Florens, L., Weake, V., Swanson, S.K., Washburn, M.P., Abmayr, S.M., and Workman, J.L. (2006b). The essential gene wda encodes a WD40 repeat subunit of Drosophila SAGA required for histone H3 acetylation. Mol Cell Biol *26*, 7178-7189.

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23. Ohshima, T.*, Suganuma, T.*, and Ikeda, M. (2001). A novel mutation lacking the bromodomain of the transcriptional coactivator p300 in the SiHa cervical carcinoma cell line. Biochemical and biophysical research communications *281*, 569-575. *These authors contributed equally to this work.

Publications online:

1. Tamaki Suganuma (2010). “The ATAC Acetyltransferase Complex Coordinates MAP kinases to regulate JNK Target Genes.”, A First Author Review of Life Science Current Research in Top Journal, Japan.