

國立東華大學教師個人基本資料表

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蘇玟珉

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最高學歷/起迄：美國羅格斯大學 食品科學博士 (2007-2013)

Wen-Min Su

現職/起迄：國立東華大學生命科學系助理教授

到任年月份(東華)：2017/08

專長： 1. 脂質代謝 2. 蛋白質生化學



■研究 (2012~2017)

一、 期刊論文：

1. Dey, P., **W.-M. Su**, G.-S. Han, and G.M. Carman. 2017. Phosphorylation of lipid metabolic enzymes by yeast Pkc1 protein kinase C requires phosphatidylserine and diacylglycerol. *J. Lipid Res.* 58: 742-751.
2. Hsieh, L.-S., **W.-M. Su**, G.-S. Han, and G.M. Carman. 2016. Phosphorylation of yeast Pah1 phosphatidate phosphatase by casein kinase II regulates its function in lipid metabolism. *J. Biol. Chem.* 291: 9974-9990.
3. Barbosa, A. D., H. Sembongi, **W.-M. Su**, S. Abreu, F. Reggiori, G. M. Carman, S. Siniossoglou. 2015. Lipid partitioning at the nuclear envelope controls membrane biogenesis. *Mol. Biol. Cell.* 26: 3641-57
4. Hsieh, L.-S., **W.-M. Su**, G.-S. Han, G. M. Carman. 2015. Phosphorylation regulates the ubiquitin-independent degradation of yeast Pah1 phosphatidate phosphatase by the 20S proteasome. *J. Biol. Chem.* 290: 11467-78.
5. **Su, W.-M.**, G.-S. Han, and G. M. Carman. 2014. Yeast Nem1-Spo7 Protein Phosphatase Activity on Pah1 Phosphatidate Phosphatase Is Specific for the Pho85-Pho80 Protein Kinase Phosphorylation Sites. *J. Biol. Chem.* 289: 34699-34708
6. **Su, W.-M.**, G.-S. Han, and G. M. Carman. 2014. Crosstalk Phosphorylations by Protein Kinase C and Pho85p-Pho80p Regulate Pah1p Phosphatidate Phosphatase Abundance in *Saccharomyces cerevisiae*. *J. Biol. Chem.* 289: 18818-18830.
7. **Su, W.-M.**, G.-S. Han, J Casciano, and G. M. Carman. 2012. Protein kinase A-mediated phosphorylation of Pah1p phosphatidate phosphatase functions in conjunction with the Pho85p-Pho80p and Cdc28p-Cyclin B kinases to regulate lipid synthesis in Yeast. *J. Biol. Chem.* 287: 33364-33376.
8. Choi, H.-S., **W.-M. Su**, G.-S. Han, D. Plote, Z. Xu, and G. M. Carman. 2012. Pho85p-Pho80p phosphorylation of yeast Pah1p phosphatidate phosphatase regulates its activity, location, abundance, and function in lipid metabolism. *J. Biol. Chem.* 287: 11290-11301.
9. Xu Z., **W.-M. Su**, G. M. Carman. 2012. Fluorescence spectroscopy measures yeast PAH1-encoded phosphatidate phosphatase interaction with liposome

membranes. *J. Lipid Res.* 53: 522-528.

二、 研討會論文：

1. **Su, W.-M.**, G.-S. Han and G. M. Carman (2017) The Nem1-Spo7/Pah1 Phosphatase Cascade is Negatively Regulated by Protein Kinase A. Experimental Biology 2017 Meeting. Chicago, IL
2. **Su, W.-M.** and G. M. Carman (2015) Phosphorylation of Nem1-Spo7 Protein Phosphatase Complex by Protein Kinase A. Gordon Research Conference on Molecular and Cellular Biology of Lipids. Waterville Valley, NH.
3. **Su, W.-M.**, G.-S. Han and G. M. Carman (2015) Yeast Nem1-Spo7 Protein Phosphatase Activity on Pah1 Phosphatidate Phosphatase Is Specific for the Pho85-Pho80 Protein Kinase Phosphorylation Sites. Experimental Biology 2015 Meeting. Boston, MA
4. **Su, W.-M.**, G.-S. Han, and G. M. Carman (2014) Characterization of the Nem1p-Spo7p protein phosphatase complex-A major regulator of Pah1p phosphatidate phosphatase function in *Saccharomyces cerevisiae*. Federation of American Societies for Experimental Biology Science Research Conference. Saxtons River, VT
5. **Su, W.-M.**, G.-S. Han, and G. M. Carman (2013) Nem1p-Spo7p-mediated dephosphorylation of yeast Pah1p phosphatidate phosphatase. Experimental Biology 2013. Boston, MA
6. **Su, W.-M.**, J Casciano, and G. M. Carman (2012) Phosphorylation of Phosphatidate Phosphatase on Ser10 by Protein Kinase A Regulates Triacylglycerol Synthesis in *Saccharomyces cerevisiae*. Experimental Biology 2012. San Diego, CA



■ 教學 (2017)

開授課程：

學年度	課程名稱(必/選)
106	生物學 (一) AA (必)
	生物學 (一) AB (必)
	生物化學 (一) (必)
	書報討論 (必)
	分子生物科技(必)
	高等分子細胞生物學 (必)



■ 服務 (2012~2017)

專業學術服務工作項目：

1. Judge, North Jersey Regional Science Fair, 2015
2. Judge, Northern New Jersey Junior Science & Humanities Symposium, 2014



■ 教學與研究獎勵 (2012~2017)

教學與研究獎勵事蹟：

1. Postdoctoral Travel Award, The American Society for Biochemistry and Molecular Biology, 2017
2. Carman Prize in Lipids, Rutgers University, 2012
3. Study Abroad Scholarship, Ministry of Education, Taiwan, 2012
4. Best Graduate Student Poster Award, Theobald Smith Society for Microbiology, 2009 and 2012