代表著作 PUBLICATIONS:

1. Cheng, Y.-L., Kuan, J.-E., **Wang, C.-W.**, Chen, R.-H* (2025) Mga2-mediated transcription supports mitotic nuclear expansion under lipid saturation conditions in stearoyl-CoA desaturase Ole1 mutant. ***Mol. Biol. Cell***; 36(11):ar144.
2. **Wang, C.-W.***, Chiu, P., Monsalve, S., Roure, R., Bai, X., Law, J.-J., Wu, Y.-C., Che, Y.-R., Cheng, Y.-L., Che, R.-H., Wu, Y.-C. (2025) High-glucose diets modulate phosphatidylcholine metabolism and fecundity in *Caenorhabditis elegans*. ***Front. Cell Dev. Bio.,*** 13:1622695. (*Corresponding author)
3. Banerjee, S., Daetwyler, S., Bai, X., Michaud, M., Jouhet, J., Madhugiri, S., Johnson, E., **Wang, C.-W.**, Fiolka, R., Toulmay, A., Prinz, W.-A.* (2025) The Vps13-like protein BLTP2 is pro-survival and regulates phosphatidylethanolamine levels in the plasma membrane to maintain its fluidity and function. ***Nat. Cell Biol.,*** 27(7):1125-1135.
4. Han, H.-F., Nien, S.-F., Jiang, H.-S., Wu, J.-C., Chiang, C.-Y., Li, M.-T., Huang, L.-J., Chiang, S., Lin, L.-C., Chuang, Y.-T., Lin, Y.-H., **Wang, C.-W.**, Wu, Y.-C.* (2024). Dietary bacteria control *C. elegans* fat content through pathways converging at phosphatidylcholine. ***eLife***, 96473.1.
5. **Wang, C.-W.***, Chen, R.-H., Chen, Y.-K. (2024) The lipid droplet assembly complex consists of seipin and four accessory factors in budding yeast. ***J. Biol Chem.*** 300(8):107534. (*Corresponding author)
6. Li, Y.-H., Ke, T.-Y., Shih, W.-C., Liou, R-F.*, and **Wang, C.-W.*** (2021) NbSOBIR1 partitions into plasma membrane microdomains and binds ER-localized *Nb*RLP1. ***Front Plant Sci.*** 12: 721548. (*Corresponding author)
7. Bai, X., Huang, L.-J., Chen, S.-W., Nebenfuehr, B., Wysolmerski, B., Wu, J.-C., Olson, S. K., Golden, A., and **Wang, C.-W.*** (2020) Loss of the seipin gene perturbs eggshell formation in *Caenorhabditis elegans*. ***Development.*** 147(20):dev192997. (*Corresponding author)
8. Su, W.-C., Lin, Y.-H., Pagac, M., and **Wang, C.-W.*** (2019) Seipin negatively regulates sphingolipid production at the ER-LD contact site. ***J Cell Biol.*** 218(11):3663-3680. (*Corresponding author)
9. Hsu, T.-H., Chen, R-H., Cheng, Y.-H., and **Wang, C.-W.*** (2017) Lipid droplets are central organelles for meiosis II progression during yeast sporulation. ***Mol. Biol. Cell.*** 28(3):440-451. (*Corresponding author)
10. Iwasa, S., Sato, N., **Wang, C.-W.**, Cheng, Y.-H., Irokawa, H., Hwang. G.W.,

Naganuma, A., Kuge, S. (2016) The phospholipid:diacylglycerol acyltransferase Lro1 is responsible for Hepatitis C Virus core-induced lipid droplet formation in a yeast model system. ***PLoS One.*** 11(7):e0159324.

11. Yang, P.-L,, Hsu, T.-H., **Wang C.-W.***, Chen, R.-H.*. (2016) Lipid droplets maintain lipid homeostasis during anaphase for efficient cell separation in budding yeast. *Mol Biol Cell.* 27(15):2368-80. (*Corresponding author)
12. **Wang, C.-W.*** (2016). Lipid droplets, lipophagy, and beyond. ***Biochim Biophys Acta.*** 1861 (8 Pt B):793-805. (Invited Review) (*Corresponding author)
13. **Wang, C.-W.*** (2015). Lipid droplet dynamics in budding yeast. ***Cell Mol Life Sci.*** 72(14):2677-95. (Invited Review) (*Corresponding author)
14. Peng, K.-C., **Wang, C.-W.**, Wu, C.-H., Huang, C.-T., Liou, R.-F. (2015). Tomato SOBIR1/EVR homologs are involved in elicitin perception and plant defense against the oomycete pathogen *Phytophthora parasitica*. ***Mol Plant Microbe Interact.*** 28(8):913-26.
15. **Wang, C.-W.*** (2014). Stationary phase lipophagy as a cellular mechanism to recycle sterols during quiescence. ***Autophagy.*** 10(11): 2075-6. (*Corresponding author)
16. **Wang, C.-W.***, Miao, Y.-H., and Chang, Y.-S. (2014). A sterol-enriched vacuolar microdomain mediates stationary phase lipophagy in budding yeast. ***J Cell Biol.*** 206(3):357-66. (*Corresponding author)

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17. **Wang, C.-W.***, Miao, Y.-H., and Chang, Y.-S. (2014). Control of lipid droplet size in budding yeast requires the collaboration between Fld1 and Ldb16. ***J Cell Sci.*** 127: 1214-1228. (*Corresponding author)
18. Starr, T. L., Pagant, S., **Wang, C.-W.**, and Schekman, R. (2012). Sorting signals that mediate traffic of chitin synthase III between the TGN/endosomes and to the plasma membrane in yeast. ***PLoS One.*** 7(10): e46386.
19. **Wang, C.-W.***, and Lee, S.-C. (2012). The ubiquitin-like (UBX)-domain-containing protein Ubx2/Ubxd8 regulates lipid droplet homeostasis. ***J Cell Sci.*** 125: 2930-2939. (*Corresponding author)
20. Wu, C.-H., Lee, S.-C., and **Wang, C.-W.*** (2011). Viral protein targeting to the cortical endoplasmic reticulum is required for cell-cell spreading in plants. ***J Cell Biol.*** 193 (3): 521-535. (*Corresponding author)

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22. **Wang, C. -W.,** Hamamoto, S., Orci, L., and Schekman, R. Exomer: A coat complex for transport of select membrane proteins from the trans-Golgi network to the plasma membrane in yeast. (2006). ***J Cell Biol.*** 174(7): 973-83.
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26. **Wang, C.-W.,** Stromhaug, P. E., Kauffman, E., Weisman, L. S., and Klionsky, D. J., (2003). Yeast homotypic vacuole fusion requires the Ccz1-Mon1 complex during the tethering/docking stage. ***J Cell Biol.*** 163(5): 973-85.
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31. **Wang, C.-W.**, Kim, J., Huang, W-P., Abeliovich, H., Stromhaug, P. E., Dann, W. A. Jr., and Klionsky, D. J. (2001). Apg2 is a novel protein required for the cytoplasm to vacuole targeting, autophagy, and pexophagy pathways. ***J Biol Chem.*** 276(32): 30442-51.