



中国科学院生物物理研究所

贝时璋讲座

Lipotoxicity and lipid transport at membrane contact sites

报告人：Dr. William Prinz

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报告地点：生物物理所图书馆

主持人：张宏 研究员

报告人简介

Dr. William Prinz is a professor of National Institutes of Health. His research interests are anchored on organelle biogenesis in the model organism *S. cerevisiae* with a combination of biochemical, genetic, and imaging approaches. Three projects in his lab include the intracellular lipid trafficking, ER-shaping proteins and formation and function of organelle contact sites.



代表成果

1. Liu, L.-K., Choudhary, V., Toulmay, A. and **W.A. Prinz**. 2016. An inducible ER-Golgi tether facilitates ceramide transport to alleviate lipotoxicity. *J. Cell Biol*, in press.
2. Joshi, A., Huang, X., Choudhary, V., Levine, T.P., Hu, J. and **W.A. Prinz**. 2016. A family of membrane-shaping proteins generate ER subdomains that regulate pre-peroxisomal vesicle biogenesis. *J. Cell Biol*, in press.
3. Choudhary, V., Ojha, N., Golden, A., and **W.A. Prinz**. 2015. A conserved family of proteins facilitates nascent lipid droplet budding from the ER from the ER. *J Cell Biol*. 211:261-71.
4. Lahiri, S., Toulmay, A. and **W.A. Prinz**. 2014. Membrane contact sites, gateways for lipid homeostasis. *Curr. Opin. Cell Biol*, 33C:82-87.
5. **W.A. Prinz**. 2012. A bridge to understanding lipid droplet growth. *Dev. Cell* 24:335-6.
6. **W.A. Prinz**. 2010. Lipid trafficking sans vesicles: where, why, how? *Cell* 143:870-4