



中国科学院生物物理研究所

贝时璋讲座

报告题目: **Messenger Metabolites, Lipid Metabolism & Longevity Regulation**

报告人: 王萌 (Wang, Meng Carla) 研究员

报告时间: 2019年12月3日 (周二) 上午10:00

报告地点: 9501会议室

主持人: 刘平生研究员



报告人简介

Meng Carla Wang, Ph.D., is a professor of Baylor College of Medicine and an investigator of HHMI. She is also the Robert C. Fyfe Endowed Chair on Aging at Baylor College of Medicine. She was recently named 2019 AAAS Fellows. Also she was awarded "Kenneth Fong Young Investigator Award" in 2019 and "Early Career Life Scientist Award of the American Society for Cell Biology" in 2017.

Her research goals are to advance the knowledge on the fundamental mechanisms of organism aging, lipid metabolism and reproductive senescence. These intertwined biological processes exert profound influence on human health, and are the major risk factors for various chronic and degenerative diseases. Her laboratory has been studying the molecular mechanisms governing these key biological processes and their complex interrelationship, by harnessing the power of functional genomics in *Caenorhabditis elegans* with metabolomics/lipidomics, chemical engineering and optical biophysics.

代表性文章

1. Savini, M., Wang, M.C. (2019) Dose autophagy promote longevity? It depends. *Cell* 177(2): 221-222.
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3. Lin, C.J., Neve, I.A.A., Wang, M.C. (2018) Neuronal regulation of longevity by staying cool. *Genes Dev* 32(3-4): 197-198.
4. Wang, M.C.*, Min, W., Ruvkun, G., and Xie, X.S. (2011) RNA interference screening for fat regulatory genes with stimulated Raman scattering microscopy. *Nat Methods* 8, 135-8.
5. Wang, M.C., O'Rourke, E.J., and Ruvkun, G. (2008). Fat metabolism links germline stem cells and longevity in *C. elegans*. *Science* 332, 957-960.