


WEI YUAN YANG (楊維元)

POSITION/AFFILIATIONS PROFESSOR, INSTITUTE OF BIOLOGICAL CHEMISTRY, ACADEMIA SINICA	CONTACT INFORMATION 128 Academia Road, Section 2, Nankang, Taipei 11529, Taiwan TEL: +886-2-2785-5696 FAX: +886-2-2788-9759 E-mail: weiyang@gate.sinica.edu.tw			
EDUCATION				
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY	
National Taiwan University, Taipei, Taiwan.	B.S.	1997	Physics	
University of Illinois at Urbana- Champaign, IL, USA.	Ph.D.	2003	Biophysics and Computational Biology	

Positions and Employment

- 2022~present Research Fellow, Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan.
- 2014~2022 Associate Research Fellow, Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan.
- 2008~2014 Assistant Research Fellow, Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan.
- 2003~2007 Postdoctoral Fellow, Harvard University, USA.

Selected publications (*corresponding author)

- Mageswaran SK, Grotjahn DA, Zeng X, Barad BA, Medina M, Hoang MH, Dobro MJ, Chang YW, Xu M, **Yang WY**, and Jensen GJ, “Nanoscale details of mitochondrial fission revealed by cryo-electron tomography”, *Biophysical Journal*, 122, 1-15, (2023)
- Lin CC, Yan J, Kapur MD, Norris KL, Hsieh CW, Lai CH, Vitale N, Lim KL, Guan Z, Chi JT, **Yang WY**, and Yao TP, “Parkin coordinates mitochondrial lipid remodeling to execute mitophagy”, *EMBO Reports*, 74, 361-370, (2022).
- Muthusamy S, Jan HM, Hsieh MY, Mondal S, Liu WC, Ko YA, **Yang WY**, Mong KT, Chen GC, Lin CH, “Enhanced enzymatic production of cholesteryl 6'-acylglucoside impairs lysosomal degradation for the intracellular survival of *Helicobacter pylori*”, *J Biomed Sci.*, 28, 72, (2021).
- Mageswaran SK, **Yang WY***, Chakrabarty Y, Oikonomou C, and Jensen GJ*, “A cryo-electron tomography workflow reveals protrusion-mediated shedding on injured plasma membrane”, *Science Advances*, 7, eabc6345, (2021)
- Chen BH, Chang YJ, Lin S, and **Yang WY***, “Hsc70/Stub1 promotes the removal of individual oxidatively stressed peroxisomes”, *Nature Communications*, 11, 5267, (2020).
- Chen PL, Huang KT, Cheng CY, Li JC, Chen HY, Lin TY, Su MP, **Yang WY**, Chang HC, Wang HD, and Chen CH, “Vesicular transport mediates the uptake of cytoplasmic proteins into mitochondria in *Drosophila melanogaster*”, *Nature Communications*, 11, 2592, (2020).
- Hong MH, Lin WH, Weng IC, Hung YH, Chen HL, Chen HY, Chen P, Lin CH, **Yang WY**, and Liu FT, “Intracellular galectins control cellular responses commensurate with cell surface carbohydrate composition”, *Glycobiology*, 30, 36-48, (2020).