


GUANG-CHAO CHEN (陳光超)

POSITION/AFFILIATIONS RESEARCH FELLOW, INSTITUTE OF BIOLOGICAL CHEMISTRY, ACADEMIA SINICA	CONTACT INFORMATION 128 Sec 2 Academia Rd, Taipei, Taiwan TEL: +886-2-27855696 ext7010 FAX: +886-2-27889759 E-mail: gcchen@gate.sinica.edu.tw			
EDUCATION				
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY	
National Cheng Kung University, Taiwan	B.S.	1988	Biology	
National Taiwan University, Taiwan	M.S.	1990	Molecular Biology	
University of Texas at Austin, USA	Ph.D	1997	Molecular Genetics	

Positions and Employment (含現職，由最近者往前追溯)

- 2022~present Deputy Director, Institute of Biological Chemistry, Academia Sinica
2022~present Joint Professor, IBS and Genome and Systems Biology Program, NTU
2021~present Research Fellow, Institute of Biological Chemistry, Academia Sinica
2013~2021 Associate Research Fellow, Institute of Biological Chemistry, Academia Sinica
2006~2012 Assistant Research Fellow, Institute of Biological Chemistry, Academia Sinica

Selected publications (*corresponding author) (請選擇代表性著作，時間先後順序由最近者往前追溯)

1. Pai YL, Jay Lin YJ, Peng WH, Huang LT, Chou HY, Wang CH, Chien CT and **Chen GC***. 2023. The deubiquitinase Leon/USP5 interacts with Atg1/ULK1 and antagonizes autophagy. *Cell Death Dis.* Aug 22; 14:540
2. Wang YT, Liu TY, Shen CH, Lin SY, Hung CC, Hsu LC, **Chen GC***. 2022. K48/K63-linked polyubiquitination of ATG9A by TRAF6 E3 ligase regulates oxidative stress-induced autophagy. *Cell Reports.* Feb 22; 38(8):110354.
3. Chen YH, Huang TY, Lin YT, Lin SY, Li WH, Hsiao HJ, Tang HW, Shen ZQ, **Chen GC**, Wu KP, Tsai TF, and Chen RH*. 2021. VPS34 K29/K48 branched ubiquitination governed by UBE3C and TRABID regulates autophagy, proteostasis and liver metabolism. *Nat Commun.* Feb 26; 12(1):1322.
4. Chou HY, Lee YT, Lin YJ, Wen JK, Peng WH, Hsieh PL, Lin SY, Hung CC, and **Chen GC***. 2021. PTPN9-mediated dephosphorylation of VTI1B promotes ATG16L1 precursor fusion and autophagosome formation. *Autophagy.* 17(10):2750-2765.
5. Li MY, Peng WH, Wu CH, Chang YM, Lin YL, Chang GD, Wu HC, and **Chen GC***. 2019. PTPN3 suppresses lung cancer cell invasiveness by counteracting Src-mediated DAAM1 activation and actin polymerization. *Oncogene* 38(44):7002-7016.
6. Wen JK, Wang YT, Chan CC, Hsieh CW, Liao HM, Hung CC, and **Chen GC***. 2017. Atg9 antagonizes TOR signaling to regulate intestinal cell growth and epithelial homeostasis in *Drosophila*. *eLife* 6:e29338.