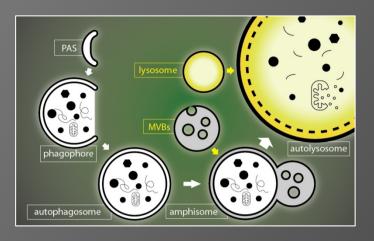


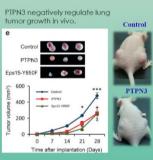
Guang-Chao Chen Lab

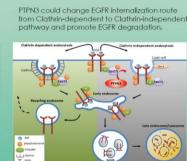
BC, Academia Sinica



The focus of our lab is to elucidate the molecular mechanism and function of autophagy and protein tyrosine phosphatases (PTPs) in development and human diseases.

Protein tyrosine phosphatase PTPN3 inhibits lung cancer cell proliferation and migration by promoting EGFR endocytic degradation (oncogene 2015)



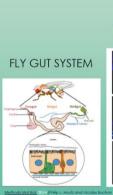




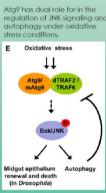




Atg9 Interacts with dTRAF2/TRAF6 to Regulate Oxidative Stress-Induced JNK Activation and Autophagy Induction (Developmental Cell 2013)







Publications-

Selected Journal Articles

Su MY, Peng WH, Ho MR, Su SC, Chang YC, Chen GC, Chang CI, 2015, "Structure of yeast Ape1 and its role in autophagic vesicle formation.", *Autophagy*, 11(9), 1580-1593.

Li MY, Lai PL, Chou YT, Chi AP, Mi YZ, Khoo KH, Chang GD, Wu CW, Meng TC, Chen GC, 2015, "Protein tyrosine phosphatase PTPN3 inhibits lung cancer cell proliferation and migration by promoting EGFR endocytic degradation", *Oncogene*, 34(29), 3791-3803.

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Tang HW, Liao HM, Peng WH, Lin HR, Chen CH, Chen GC, 2013, "Atg9 Interacts with dTRAF2/TRAF6 to Regulate Oxidative Stress-Induced JNK Activation and Autophagy Induction", *Developmental Cell*, 27(5), 489-503.

Book Chapters

Wang YT and Chen GC, 2016, "The role of ubiquitin system in autophagy", editor(s): Nikolai Gorbunov and Marion Schneider, *Autophagy in Current Trends in Cellular Physiology and Pathology*, pp. 117-136, Croatia: Intech.