Stanford

# Biao Wang

- Postdoctoral Research Fellow, Ophthalmology
- Basic Life Res Scientist, Ophthalmology

NIH Biosketch available Online

## Bio

### HONORS AND AWARDS

- Excellent Graduated Graduate Student, Regenerative Medicine Research Center, Sicuan University, Chengdu, China (2012)
- Excellent Graduate Student, Regenerative Medicine Research Center, Sicuan University, Chengdu, China (2011)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, Society for Experimental Biology and Medicine (2013 - present)

### PROFESSIONAL EDUCATION

- Master of Science, Sichuan University (2013)
- Doctor of Philosophy, Shanghai Jiaotong University (2017)

### LINKS

- publication: https://scholar.google.com/citations?user=kpLH9OYAAAAJ&hl=en

## Research & Scholarship

### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interests are to identify and to elucidate the key signaling pathways in Lowe Syndrome disease, and also to develop a targeted therapy for Lowe syndrome patients. So far, there is no treatment for Lowe syndrome. I have a broad background in cell biology, with specific training and expertise in protein trafficking and signaling pathways.

## Publications

### PUBLICATIONS

- **The role of inositol phosphatase OCRL in microtubule nucleation: Implications for Oculocerebrorenal Syndrome of Lowe**
  Wang, B., Prosseda, P. P., He, W., Kowal, T., Alvarado, J. A., Ning, K., Sun, Y.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Optogenetic Regulation of Aqueous Outflow in Mouse Trabecular Meshwork**
  Alvarado, J. A., Prosseda, P. P., Luo, N., Wang, B., Ning, K., He, W., Kowal, T., Sun, Y.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Loss of OCRL increases ciliary PI(4,5)P2 in Lowe oculocerebrorenal syndrome.** *Journal of cell science*
  Prosseda, P. P., Luo, N. n., Wang, B. n., Alvarado, J. A., Hu, Y. n., Sun, Y. n.
  2017; 130 (20): 3447–54

- **EGFR regulates iron homeostasis to promote cancer growth through redistribution of transferrin receptor 1** *CANCER LETTERS*
  Wang, B., Zhang, J., Song, F., Tian, M., Shi, B., Jiang, H., Xu, W., Wang, H., Zhou, M., Pan, X., Gu, J., Yang, S., Jiang, et al
  2016; 381 (2): 331-340
- **Weak binding to E3 ubiquitin ligase c-Cbl increases EGFRvA protein stability** *FEBS LETTERS*
  Song, F., Zhou, M., Wang, B., Shi, B., Jiang, H., Zhang, J., Li, Z.
  2016; 590 (9): 1345-1353
- **Combination of an anti-EGFRvIII antibody CH12 with Rapamycin synergistically inhibits the growth of EGFRvIII(+)PTEN(-) glioblastoma in vivo** *ONCOTARGET*
  Xu, W., Bi, Y., Kong, J., Zhang, J., Wang, B., Li, K., Tian, M., Pan, X., Shi, B., Gu, J., Jiang, H., Kong, X., Li, et al
  2016; 7 (17): 24752-24765
- **Synergistic antitumor efficacy against the EGFRvIII(+)HER2(+) breast cancers by combining trastuzumab with anti-EGFRvIII antibody CH12** *ONCOTARGET*
  Xu, W., Bi, Y., Zhang, J., Kong, J., Jiang, H., Tian, M., Li, K., Wang, B., Chen, C., Song, F., Pan, X., Shi, B., Kong, et al
  2015; 6 (36): 38840-38853
- **Disturbance of Copper Homeostasis Is a Mechanism for Homocysteine-Induced Vascular Endothelial Cell Injury** *PLOS ONE*
  Dong, D., Wang, B., Yin, W., Ding, X., Yu, J., Kang, Y. J.
  2013; 8 (10)
- **Copper chaperone for superoxide dismutase-1 transfers copper to mitochondria but does not affect cytochrome c oxidase activity** *EXPERIMENTAL BIOLOGY AND MEDICINE*
  Wang, B., Dong, D., Kang, Y. J.
  2013; 238 (9): 1017-1023