



## Gong Her Wu

Basic Life Research Scientist

Bioengineering

 Curriculum Vitae available Online

### Bio

#### ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Bioengineering

#### Publications

#### PUBLICATIONS

- **Cryogenic electron tomography and elemental analysis of mitochondrial granules in human retinal ganglion cells.** *Structure (London, England : 1993)*  
Wu, G. H., Hou, C., Thron, A., Patel, H. R., Spillane, L., Gupte, S. R., Yeung-Levy, S., Gulati, S., Booth, C., Liao, Y. J., Chiu, W.  
2025
- **Resolving three-dimensional nanoscale heterogeneities in lithium metal batteries with cryoelectron tomography** *MATTER*  
Zhang, Z., Lee, J. K. J., Li, Y., Zhou, W., Wu, G., Lyu, H., Wan, J., Chen, H., Huang, W., Ye, Y., Schmid, M. F., Cui, Y., Chiu, et al  
2025; 8 (7)
- **Invitro modeling of Optic Disc Drusen (ODD) using iPSC-derived retinal cells**  
Patel, H., Parte, S., Kumar, A., Kaushal, K., Swarup, A., Shariati, A., Liang, J., Wu, G., Iweka, C., Liu, L., Wu, A. Y., Chiu, W., Liao, et al  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Previously uncharacterized rectangular bacterial structures in the dolphin mouth.** *Nature communications*  
Dudek, N. K., Galaz-Montoya, J. G., Shi, H., Mayer, M., Danita, C., Celis, A. I., Viehboeck, T., Wu, G., Behr, B., Bulgheresi, S., Huang, K. C., Chiu, W., Relman, et al  
2023; 14 (1): 2098
- **CryoET reveals organelle phenotypes in huntington disease patient iPSC-derived and mouse primary neurons.** *Nature communications*  
Wu, G. H., Smith-Geater, C., Galaz-Montoya, J. G., Gu, Y., Gupte, S. R., Aviner, R., Mitchell, P. G., Hsu, J., Miramontes, R., Wang, K. Q., Geller, N. R., Hou, C., Danita, et al  
2023; 14 (1): 692
- **Multi-scale 3D Cryo-Correlative Microscopy for Vitrified Cells.** *Structure (London, England : 1993)*  
Wu, G. H., Mitchell, P. G., Galaz-Montoya, J. G., Hecksel, C. W., Sontag, E. M., Gangadharan, V. n., Marshman, J. n., Mankus, D. n., Bisher, M. E., Lytton-Jean, A. K., Frydman, J. n., Czymbek, K. n., Chiu, et al  
2020
- **Unravelling Degradation Mechanisms and Atomic Structure of Organic-Inorganic Halide Perovskites by Cryo-EM** *JOULE*  
Li, Y., Zhou, W., Li, Y., Huang, W., Zhang, Z., Chen, G., Wang, H., Wu, G., Rolston, N., Vila, R., Chiu, W., Cui, Y.  
2019; 3 (11): 2854–66
- **Cryo-EM Structures of Atomic Surfaces and Host-Guest Chemistry in Metal-Organic Frameworks** *MATTER*  
Li, Y., Wang, K., Zhou, W., Li, Y., Vila, R., Huang, W., Wang, H., Chen, G., Wu, G., Tsao, Y., Wang, H., Sinclair, R., Chiu, et al  
2019; 1 (2): 428–38

- **Cryo-EM structures of atomic surfaces and host-guest chemistry in metal-organic frameworks.** *Matter*

Li, Y., Wang, K., Zhou, W., Li, Y., Vila, R., Huang, W., Wang, H., Chen, G., Wu, G. H., Tsao, Y., Wang, H., Sinclair, R., Chiu, et al  
2019; 1 (2): 428-438