



## Huangqingbo Sun

Postdoctoral Scholar, Bioengineering

### Bio

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#### STANFORD ADVISORS

- Emma Lundberg, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Big1 is a cell-cycle regulator linking cell size to basal body number in *Tetrahymena thermophila*** *CURRENT BIOLOGY*  
Stemm-Wolf, A. J., Soh, A., Mitchell, L. E., Sun, H., Collet, E., Dholakia, G. L., Raju, V., Hesselberth, J. R., Taliaferro, J., Murphy, R. F., Heasley, L. R., Pearson, C. G.  
2026; 36 (7): 1882-1891
- **Generative machine learning unlocks the first proteome-wide image of human cells.** *bioRxiv : the preprint server for biology*  
Sun, H., Kahnert, K., Hansen, J. N., Leineweber, W., Li, M., Feng, W., Ballllosera, F., Axelsson, U., Ouyang, W., Lundberg, E.  
2026
- **Intrinsic heterogeneity of primary cilia revealed through spatial proteomics.** *Cell*  
Hansen, J. N., Sun, H., Kahnert, K., Westenius, E., Johannesson, A., Villegas, C., Le, T., Tzavlaki, K., Winsnes, C., Pohjanen, E., Mäkinen, A., Fall, J., Ballllosera Navarro, et al  
2025
- **Flexible and robust cell-type annotation for highly multiplexed tissue images.** *Cell systems*  
Sun, H., Yu, S., Casals, A. M., Bäckström, A., Lu, Y., Lindskog, C., Ruffalo, M., Lundberg, E., Murphy, R. F.  
2025: 101374
- **Big1 is a cell cycle regulator linking cell size to basal body number.** *bioRxiv : the preprint server for biology*  
Stemm-Wolf, A. J., Soh, A. W., Mitchell, L. E., Sun, H., Collet, E., Dholakia, G. L., Raju, V., Hesselberth, J. R., Taliaferro, J. M., Murphy, R. F., Heasley, L. R., Pearson, C. G.  
2025
- **Flexible and robust cell type annotation for highly multiplexed tissue images.** *bioRxiv : the preprint server for biology*  
Sun, H., Yu, S., Casals, A. M., Bäckström, A., Lu, Y., Lindskog, C., Lundberg, E., Murphy, R. F.  
2024