

Stanford

Shuyuan Zhang

Postdoctoral Scholar, Biology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Univ of Texas Southwestern Medical Center (2018)

STANFORD ADVISORS

- Jan Skotheim, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Increasing cell size remodels the proteome and promotes senescence.** *Molecular cell*
Lanz, M. C., Zatulovskiy, E., Swaffer, M. P., Zhang, L., Ilertsen, I., Zhang, S., You, D. S., Marinov, G., McAlpine, P., Elias, J. E., Skotheim, J. M.
2022
- **The cell cycle inhibitor RB is diluted in G1 and contributes to controlling cell size in the mouse liver.** *Frontiers in cell and developmental biology*
Zhang, S., Zatulovskiy, E., Arand, J., Sage, J., Skotheim, J. M.
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- **RB depletion is required for the continuous growth of tumors initiated by loss of RB.** *PLoS genetics*
Doan, A., Arand, J., Gong, D., Drainas, A. P., Shue, Y. T., Lee, M. C., Zhang, S., Walter, D. M., Chaikovskiy, A. C., Feldser, D. M., Vogel, H., Dow, L. E., Skotheim, et al
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- **Cell growth dilutes the cell cycle inhibitor Rb to trigger cell division.** *Science (New York, N.Y.)*
Zatulovskiy, E., Zhang, S., Berenson, D. F., Topacio, B. R., Skotheim, J. M.
2020; 369 (6502): 466–71
- **SWI/SNF component ARID1A restrains pancreatic neoplasia formation** *GUT*
Wang, S. C., Nassour, I., Xiao, S., Zhang, S., Luo, X., Lee, J., Li, L., Sun, X., Nguyen, L. H., Chuang, J., Peng, L., Daigle, S., Shen, et al
2019; 68 (7): 1259–70