Stanford

Sunil Bhurtel

Postdoctoral Scholar, Pathology

Bio

STANFORD ADVISORS

- Bingwei Lu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Tau-induced mitochondrial reverse electron transport drives neurodegeneration.** *Neuron*
  Li, W., Rimal, S., Bhurtel, S., Yeung, L., Lu, B. G., Grinberg, L. T., Spina, S., Sillero, M. I., Seeley, W. W., Guo, S., Lu, B.
  2026

- **Ribosome stalling during c-myc translation presents actionable cancer cell vulnerability.** *PNAS nexus*
  Khaket, T. P., Rimal, S., Wang, X., Bhurtel, S., Wu, Y. C., Lu, B.
  2024; 3 (8): pgae321

- **Stalled translation by mitochondrial stress upregulates a CNOT4-ZNF598 ribosomal quality control pathway important for tissue homeostasis.** *Nature communications*
  Geng, J., Li, S., Li, Y., Wu, Z., Bhurtel, S., Rimal, S., Khan, D., Ohja, R., Brandman, O., Lu, B.
  2024; 15 (1): 1637

- **Reverse electron transfer is activated during aging and contributes to aging and age-related disease.** *EMBO reports*
  Rimal, S., Tantray, I., Li, Y., Pal Khaket, T., Li, Y., Bhurtel, S., Li, W., Zeng, C., Lu, B.
  2023: e55548

- **Prevention of ribosome collision-induced neuromuscular degeneration by SARS CoV-2-encoded Nsp1.** *Proceedings of the National Academy of Sciences of the United States of America*
  Wang, X., Rimal, S., Tantray, I., Geng, J., Bhurtel, S., Khaket, T. P., Li, W., Han, Z., Lu, B.
  2022; 119 (42): e2202322119