Stanford



Genper Wong

Ph.D. Student in Neurosciences, admitted Autumn 2024

CONTACT INFORMATION

- **Alternate Contact**

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Bio

HONORS AND AWARDS

- Joseph Needham Merit Scholarship Awards, Joseph Needham Foundation for Science & Civilisation (2024)
- Sir Edward Youde Memorial Fellowship for Overseas Studies, Sir Edward Youde Memorial Fund (2024)
- Stanford Graduate Fellowship, Stanford University (2024)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Course Development Committee, The Chinese University of Hong Kong (2022 - 2023)
- Co-founder, President, Hong Kong Society for Neuroscience (HKSfN) (2021 - 2024)
- Curriculum Design Committee, Hong Kong Federation of Youth Groups (HKFYG) (2021 - 2024)
- Project Manager, Sprouting STEM (2020 - 2021)

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, Chinese University of Hong Kong , Cell and Molecular Biology (2024)

Publications

PUBLICATIONS

- **Perimenopausal state oestradiol to progesterone imbalance drives Alzheimer's risk via ERRα dysregulation and energy dyshomeostasis.** *Nature communications*

  Sun, J. K., Peng, A. Z., Hart, R. P., Herrup, K., Wu, D., Wong, G. C., Chow, K. H.

  2025

- **Alpha-ketoglutarate mitigates insulin resistance and metabolic inflexibility in a mouse model of Ataxia-Telangiectasia.** *Nature communications*

  Sun, J. K., Hart, R. P., Herrup, K., Peng, A. Z., Wong, G. C., Wu, D., Kwan, K. M., Chow, K. H.

  2025; 16 (1): 9312

- **Cross-talk between DNA damage response and the central carbon metabolic network underlies selective vulnerability of Purkinje neurons in ataxia-telangiectasia.** *Journal of neurochemistry*

  Sun, J. K., Wong, G. C., Chow, K. H.

  2023; 166 (4): 654-677

- **DNA Damage Response-Associated Cell Cycle Re-Entry and Neuronal Senescence in Brain Aging and Alzheimer's Disease.** *Journal of Alzheimer's disease : JAD*
  Wong, G. C., Chow, K. H.
  2023; 94 (s1): S429-S451

- **Chronic alcohol metabolism results in DNA repair infidelity and cell cycle-induced senescence in neurons.** *Aging cell*
  Sun, J. K., Wu, D., Wong, G. C., Lau, T. M., Yang, M., Hart, R. P., Kwan, K. M., Chan, H. Y., Chow, H. M.
  2023; 22 (2): e13772