

Stanford



Man Kin (Matthew) Wong

Postdoctoral Scholar, Urology

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- PhD, University of Ottawa , Cellular and Molecular Medicine (2022)

STANFORD ADVISORS

- Lay Teng Ang, Postdoctoral Faculty Sponsor
- Lay Teng Ang, Postdoctoral Research Mentor

Teaching

COURSES

2023-24

- Phase Separation in Biology: BIOS 401 (Sum)

Publications

PUBLICATIONS

- **An image-based CRISPR screen reveals splicing-mediated control of HP1 α condensates** *bioRxiv*
Wong, M., Zhou, S., Carpenter, C., Valbuena, R., Priyadarshini, M., Arya, A., Rizvi, A., Carswell-Crumpton, C., Wileveau, A., Lopez-Lopez, G., Tycko, J., Yao, D., Spees, et al
2025
- **SMCHD1 activates the expression of genes required for the expansion of human myoblasts** *NUCLEIC ACIDS RESEARCH*
Wong, M., Hachmer, S., Gardner, E., Runfola, V., Arezza, E., Megeney, L. A., Emerson Jr, C. P., Gabellini, D., Dilworth, F.
2024
- **A fast Myosin super enhancer dictates muscle fiber phenotype through competitive interactions with Myosin genes.** *Nature communications*
Dos Santos, M., Backer, S., Auradé, F., Wong, M. M., Wurmser, M., Pierre, R., Langa, F., Do Cruzeiro, M., Schmitt, A., Concordet, J. P., Sotiropoulos, A., Jeffrey Dilworth, F., Noordermeer, et al
2022; 13 (1): 1039
- **Chromatin and transcription factor profiling in rare stem cell populations using CUT&Tag.** *STAR protocols*
Li, Y., Nakka, K., Olender, T., Gingras-Gelinas, P., Wong, M. M., Robinson, D. C., Bandukwala, H., Palli, C. G., Neyret, O., Brand, M., Blais, A., Dilworth, F. J.
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- **Transcription Factor AP4 Mediates Cell Fate Decisions: To Divide, Age, or Die.** *Cancers*
Wong, M. M., Joyson, S. M., Hermeking, H., Chiu, S. K.
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- **Intron Retained, Transcript Detained: Intron Retention as a Hallmark of the Quiescent Satellite Cell State.** *Developmental cell*
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- **Ectopic AP4 expression induces cellular senescence via activation of p53 in long-term confluent retinal pigment epithelial cells.** *Experimental cell research*
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- **Cropped, Drosophila transcription factor AP-4, controls tracheal terminal branching and cell growth** *BMC DEVELOPMENTAL BIOLOGY*
Wong, M., Liu, M., Chiu, S.
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- **Luminescent ruthenium(II) complex bearing bipyridine and N-heterocyclic carbene-based C#N#C pincer ligand for live-cell imaging of endocytosis.** *Scientific reports*
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2015; 5: 9070
- **Effects of nanoparticle size and cell type on high sensitivity cell detection using a localized surface plasmon resonance biosensor.** *Biosensors & bioelectronics*
Liu, F., Wong, M. M., Chiu, S. K., Lin, H., Ho, J. C., Pang, S. W.
2014; 55: 141-8
- **Taxifolin enhances andrographolide-induced mitotic arrest and apoptosis in human prostate cancer cells via spindle assembly checkpoint activation.** *PloS one*
Zhang, Z. R., Al Zaharna, M., Wong, M. M., Chiu, S. K., Cheung, H. Y.
2013; 8 (1): e54577
- **Differential actions of chlorhexidine on the cell wall of Bacillus subtilis and Escherichia coli.** *PloS one*
Cheung, H. Y., Wong, M. M., Cheung, S. H., Liang, L. Y., Lam, Y. W., Chiu, S. K.
2012; 7 (5): e36659
- **Cadmium Sulfide Silver Nanoplate Hybrid Structure: Synthesis and Fluorescence Enhancement** *JOURNAL OF PHYSICAL CHEMISTRY C*
Lin, S., Wong, M., Pat, P., Wong, C., Chiu, S., Pun, E.
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