

FUNG Cheuk Wang, Ph.D.

alexfung234@gmail.com | 6480 5762 | Fanling, NT

EDUCATION

B.Eng. in Bioengineering	Sep. 2012 – Aug. 2016
City University of Hong Kong	
M.Phil. in Life Science	Sep. 2017 – Aug. 2019
The Hong Kong University of Science and Technology (HKUST)	
Ph.D. in Life Science	Sep. 2019 – Aug. 2022
HKUST	

EXPERIENCE

Research Assistant	Jun. 2016 – Aug. 2017
Division of Life Science, School of Science, HKUST	
Postdoctoral Fellow	Sep. 2022 – Mar. 2023
Division of Life Science, School of Science, HKUST	
Project Manager	Apr. 2023 – Now
Department of Chemical Pathology, Faculty of Medicine, The Chinese University of Hong Kong	

PUBLICATIONS

-
- Fung, C.W.**, Chan, S.N., & Wu, A.R. (2020). Microfluidic single-cell analysis—Toward integration and total on-chip analysis. *Biomicrofluidics*, 14(2), 021502.
- Fung, C.W.**, Zhou, S., Zhu, H., Wei, X., Wu, Z., & Wu, A.R. (2022). Cell fate determining molecular switches and signaling pathways in Pax7-expressing somitic mesoderm. *Cell Discovery*, 8(61).
- Fung, C.W.**, Chau, K.Y., Tong, D.T.S., Knox, C., Tam, S.T., Tan, S.Y., Loi, D.C.L., Leung, Z., Ying, X., Lan, Y., Qian, P.Y., Chan, K.Y.K., Wu, A.R. (2023). Parentage influence on gene expression under acidification revealed through single-embryo sequencing. *Molecular Ecology*, 32(24).
- Wang, H., Xiao, H., Feng, B., Lan, Y., **Fung, C.W.**, Zhang, H., Yan, G., Lian, C., Zhong, Z., Li, J., Wang, M., Wu, A.R., Li, C., Qian, P.Y. (2024). Single-cell RNA-seq reveals distinct metabolic “microniches” and close host-symbiont interactions in deep-sea chemosynthetic tubeworm. *Science Advances*, 10(30).

TALKS AND PRESENTATION

Cell Fate Determining Molecular Switches and Signaling Pathway in Pax7-expressing Somitic Mesoderm	2018
Fung, C.W. , Zhu, H., Zhou, S., Wu, Z., Wu, A.R.	
Talk at New Technologies and Translational Applications in Genomics, Hong Kong	
Poster Presentation at Frontiers in Single Cell Genomics, Suzhou, China	
Droplet Enrichment by Gene Expression	2021/22
Fung, C.W. , Nan, L., Shum, H.C., Wu, A.R.	
Poster presentation at 2021/22 Hong Kong Inter-University Postgraduate Symposium in Biomedical Sciences (online)	
Ocean Acidification on Embryonic Gene Expression Profile at Single-Embryo Level on <i>Heliocidaris crassispina</i>	2022
Fung, C.W. , Chau, K.Y., Wu, A.R.	
Talk at the 2 nd International Symposium on Marine Science and Technology for Young Scientists and Postgraduates (online)	
Genome-wide Mapping of Transcriptionally Engaged Viral Polymerase using Nascent RNA-seq	2023
Zhu, Z., Fung, C.W. , Xu, X., Gao, Z., Tse, C.K.M., Mok, C.K.P., Wang, J., Cheung, P.P.H.	
Poster presentation at Collaborative Research Fund cum Research Impact Fund Symposium 2023	

AWARDS AND CERTIFICATE

HKUST RedBird Academic Excellence Award for Continuing Ph.D. Students	2022
Fok Ying Tung Graduate School, HKUST	
Best Presentation Award for Postgraduates	2022
<i>The 2nd International Symposium on Marine Science and Technology for Young Scientists and Postgraduates</i>	
Hong Kong Branch of the Southern Marine Science and Engineering Guangdong Laboratory (Guangzhou), HKUST	
RGC Postdoctoral Fellowship Scheme 2024/25 Awardee	2024
University Grants Committee	