

# Research Output List (SEP 2019 to MAR 2020)

## Department of Pathology

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### Scholarly books, monographs and chapters

Beh S.L., Dada M., Khosa V., Laposata C., Marsden P., Porpiglia N., Rimondo C., Serpelloni G., Court D.S., Tagliaro F. and Trujillo-Bueno O., In: Petr Vanezis, *Essential Forensic Medicine*. John Wiley & Sons, 2020. (Publication No. : 309147; Weighting : 0.0909)

Kwong D.L.W., Lee V.H.F. and Nicholls J.M., Chapter 15: Cancer Immunotherapy for Nasopharyngeal Carcinoma, *Nasopharyngeal Carcinoma*. Elsevier, 2019, 337-351. <http://dx.doi.org/10.1016/B978-0-12-814936-2.00015-8> (Publication No. : 307946; Weighting : 0.3333)

Tse K.Y. and Ip P.C.P., *Cervical Cancer Prevention*, In: Ho PC et al , *Practical Obstetrics and Gynaecology*. Hong Kong University Press, 2020. (Publication No. : 309533; Weighting : 0.5000)

### Journal publications

Chan K.K.L., Liu S., Wei N., Ngu S.F., Chu M.Y.M., Tse K.Y., Lau S.K., Cheung A.N.Y. and Ngan H.Y.S., Primary HPV testing with cytology versus cytology alone in cervical screening—A prospective randomized controlled trial with two rounds of screening in a Chinese population , *International Journal of Cancer*. 2020. <http://dx.doi.org/10.1002/ijc.32861> (Publication No. : 309442; Weighting : 0.1111)

Chan L.K. and Ng I.O.L., Joining the dots for better liver cancer treatment, *Nat Rev Gastroenterol Hepatol* . 2020. (Publication No. : 309601; Weighting : 1.0000)

Chan S.Y.T., Khong P.L., Au Yeung K.H.R., Kwong Y.L. and Tse E.W.C., Low-dose nivolumab induced durable complete response in relapsed primary central nervous system diffuse large B cell lymphoma, *Annals of Hematology*. 2019, 98, 2227-2230. <http://dx.doi.org/10.1007/s00277-019-03758-z> (Publication No. : 309563; Weighting : 0.2000)

Fako V., Martin S.P., Pomyen Y., Budhu A., Chaisaingmongkol J., Franck S., Lee J.K.M., Ng I.O.L., Cheung T.T., Wei X., Liu N., Jia H.L., Tang Z.Y., Qin L.X., Kloeckner R., Marquardt J., Greten T. and Wang X.W., Gene signature predictive of hepatocellular carcinoma patient response to transcatheter arterial chemoembolization, *Int J Biol Sci*. 2019. (Publication No. : 309602; Weighting : 0.1111)

Han L., CUI D., Li B., Xu W., Lam A.K.Y., Chan K.T., ZHU Y., Lee N.P.Y., Law S.Y.K., Guan X., Qin Y.R., Chan K.W., Ma S.K.Y., Tsao G.S.W. and Cheung A., MicroRNA-338-5p reverses chemoresistance and inhibits invasion of esophageal squamous cell carcinoma cells by targeting Id-1, *Cancer Science*. 2019, 110, 3677-3688. <http://dx.doi.org/10.1111/cas.14220> (Publication No. : 308838; Weighting : 0.0667)

Ho D.W.H., Tsui Y.M., Sze M.F., Chan L.K., Cheung T.T., Lee E., Sham P.C., Tsui S.K.W., Lee T.K.W. and Ng I.O.L., Single-cell transcriptomics reveals the landscape of intra-tumoral heterogeneity and stemness-related subpopulations in liver cancer, *Cancer Letters*. 2019, 459, 176-185. <http://dx.doi.org/10.1016/j.canlet.2019.06.002> (Publication No. : 298778; Weighting : 0.6000)

Ip P.C.P. and Wong A.S.T., Sialyl Lewisx-P-selectin cascade mediates tumor–mesothelial adhesion in ascitic fluid shear flow, *Nature Communications*. 2019, 10, 2406. <http://dx.doi.org/10.1038/s41467-019-10334-6> (Publication No. : 298247; Weighting : 0.5000)

LEUNG Z., Ko F.C.F., Tey S.K., Kwong M.L., Mao X., LIU H.M., MA P.Y., Fung E.Y.M., Che C.M., Wong D.K.H., Lai C.L., Ng I.O.L. and Yam J.W.P., Galectin-1 promotes hepatocellular carcinoma and the combined therapeutic effect of OTX008 galectin-1 inhibitor and sorafenib in tumor cells, *Journal of Experimental and Clinical Cancer Research*. 2019, 38, 423. (Publication No. : 305028; Weighting : 0.6923)

Lam C.W., YEUNG W.L., Ling T.K., Wong K.C. and LAW C.Y., Deoxythymidylate kinase, DTYMK, is a novel gene for mitochondrial DNA depletion syndrome, In: Ching-wan Lam, Wai-Lan Yeung, Tsz-ki Ling, Ka-chung Wong, Chun-yiu Law, Clinica Chimica Acta. 2019, 496, 93-99. <http://dx.doi.org/10.1016/j.cca.2019.06.028> (Publication No. : 300404; Weighting : 0.6000)

Leung C.O., Tong M., Chung K.P., Zhou L., CHE N., Tang K.H., Ding J., Lau E.Y., Ng I.O.L., Ma S.K.Y. and Lee T.K.W., Overriding adaptive resistance to sorafenib via combination therapy with SHP2 blockade in hepatocellular carcinoma, Hepatology. 2019. <http://dx.doi.org/10.1002/hep.30989> (Publication No. : 308140; Weighting : 0.0909)

Leung Z., Ko F.C.F., Tey S.K., Kwong M.L., Mao X., Liu H.M., Ma S. and Lee T.K., Galectin-1 promotes hepatocellular carcinoma and the combined therapeutic effect of OTX008 galectin-1 inhibitor and sorafenib in tumor cells, J Exp Clin Cancer Res . 2019. (Publication No. : 309599; Weighting : 0.7500)

Ling T.K., LAW C.Y., YAN K.W., FONG N.C., Wong K.C., LEE K.L., CHU W.C.W., Brea-Calvo G. and Lam C.W., Clinical whole-exome sequencing reveals a common pathogenic variant in patients with CoQ10 deficiency: An underdiagnosed cause of mitochondriopathy, In: Tsz-ki Ling, Chun-yiu Law, Kin-wing Yan, Nai-chung Fong, Ka-chung Wong, Ka-lok Lee, Winnie Chiu-wing Chu, Gloria Brea-Calvo, Ching-wan Lam, Clinica Chimica Acta. 2019, 497, 88-94. <http://dx.doi.org/10.1016/j.cca.2019.07.016> (Publication No. : 300403; Weighting : 0.3333)

Ma K., DU W., Wang X., Yuan S., Cai X., Liu D., Li J. and Lu L., Multiple Functions of B Cells in the Pathogenesis of Systemic Lupus Erythematosus, International Journal of Molecular Sciences. 2019, 20, 6021. <http://dx.doi.org/10.3390/ijms20236021> (Publication No. : 309591; Weighting : 0.5000)

Panea R.I., Love C.L., Shingleton J.R., Reddy A., Bailey J.A., Moormann A.M., Otieno J.A., Ong'echa J.M., Oduor C.I., Schroeder K.M.S., Masalu N., Chao N.J., Agajanian M., Major M.B., Fedoriw Y., Richards K.L., Rymkiewicz G., Miles R.R., Alobeid B., Bhagat G., Flowers C.R., Ondrejka S.L., Hsi E.D., Choi W.L., Au Yeung K.H.R., Hartmann W., Lenz G., Meyerson H., Lin Y.Y., Zhuang Y., Luftig M.A., Waldrop A., Dave T., Thakkar D., Sahay H., Li G., Palus B.C., Seshadri V., Kim S.Y., Gascoyne R.D., Levy S., Mukhopadhyay M., Dunson D.B. and Dave S.S., The whole-genome landscape of Burkitt lymphoma subtypes, Blood. 2019, 134, 1598-1607. <http://dx.doi.org/10.1182/blood.2019001880> (Publication No. : 309560; Weighting : 0.0455)

Pang A.W.K., Au Yeung K.H.R., Leung R.Y.Y. and Kwong Y.L., Addictive response of primary cutaneous diffuse large B cell lymphoma leg type to low-dose ibrutinib, Annals of Hematology. 2019, 98, 2433-2436. <http://dx.doi.org/10.1007/s00277-019-03787-8> (Publication No. : 309562; Weighting : 0.5000)

RU B., Tong Y. and Zhang J., TISIDB: an integrated repository portal for tumor-immune system interactions, Bioinformatics. 2019, 35, 4200-4202. <http://dx.doi.org/10.1093/bioinformatics/btz210> (Publication No. : 308894; Weighting : 0.3333)

SHEN J., CHEN M., LEE D., LAW C.T., Tsang F.H., Chin W.C., Cheng C.L., Lee J.M., Ng I.O.L., Wong C.C.L. and Wong C.M., Histone Chaperone FACT complex mediates oxidative stress response to promote liver cancer progression, Gut. 2020. (Publication No. : 309594; Weighting : 1.0000)

Sim P.Y.J., Au Yeung K.H.R. and Kwong Y.L., Low-dose pembrolizumab induced complete radiologic and molecular response of posttransplant lymphoproliferative disorder presenting as classical Hodgkin lymphoma, Annals of Hematology. 2020, 99, 385-388. <http://dx.doi.org/10.1007/s00277-019-03856-y> (Publication No. : 309559; Weighting : 0.3333)

Singh G.H.H., Yim R.L.H., Pang H.M.H., Lee P., Chan S.Y.T., Hwang Y.Y.G., Leung G.M.K., Ip H.W., Leung R.Y.Y., Yip S.F., Kho B., Lee H.K.K., Mak V., Chan C.C., Lau J.S.M., Lau C.K., Lin S.Y., Wong R.S.M., Li W., Ma E.S.K., Li J., Panagiotou I., Sim P.Y.J., Lie A.K.W. and Kwong Y.L., Clofarabine, cytarabine, and mitoxantrone in refractory/relapsed acute myeloid leukemia: High response rates and effective bridge to allogeneic hematopoietic stem cell transplantation, Cancer Medicine. 2020. <http://dx.doi.org/10.1002/cam4.2865> (Publication No. : 309608; Weighting : 0.0800)

Siu K.Y., JIANG Y., WANG J., Leung T.H.Y., Ngu S.F., Cheung A.N.Y., Ngan H.Y.S. and Chan K.K.L., PDK1 promotes ovarian cancer metastasis by modulating tumor-mesothelial adhesion, invasion, and angiogenesis

via  $\alpha 5\beta 1$  integrin and JNK/IL-8 signaling, *Oncogenesis*. 2020, 9. <http://dx.doi.org/10.1038/s41389-020-0209-0> (Publication No. : 309441; Weighting : 0.1250)

Sze M.F., Ho D.W.H., Chiu Y.T., Tsui Y.M., Chan L.K., Lee J.K.M., Chok K.S.H., Chan A.C., Tang C.N., Tang V.W., Lo I.L., Yau D.T., Cheung T.T. and Ng I.O.L., Novel cis-activation harnessing host ELF4 and HBV integrated at the TERT promoter to enhance hepatocarcinogenesis, *Hepatology*. 2020. <http://dx.doi.org/10.1002/hep.31231> (Publication No. : 309607; Weighting : 0.5000)

Tse E.W.C., Au Yeung K.H.R. and Kwong Y.L., Recent advances in the diagnosis and treatment of natural killer/T-cell lymphomas, *Expert Review of Hematology*. 2019, 12, 927-935. <http://dx.doi.org/10.1080/17474086.2019.1660640> (Publication No. : 309561; Weighting : 0.3333)

Wan T.M.H., Iyer D.N. and Ng L., Roles of microRNAs as non-invasive biomarker and therapeutic target in colorectal cancer, Timothy Ming-Hun Wan, Deepak Narayanan Iyer and Lui Ng. Spain, *Histol Histopathol*, 2020, 35, 225-237. <http://dx.doi.org/10.14670/HH-18-171> (Publication No. : 309611; Weighting : 0.3333)

Wei L., LEE D., Law C.T., LAW C.T., Zhang S., SHEN J., Chin D.W., Tsang F.H., WONG L.S., Ng I.O.L., Wong C.C.L. and Wong C.M., Genome-wide CRISPR/Cas9 library screening identified PHGDH as a critical driver for Sorafenib resistance in HCC, *Nat commun*. 2019. (Publication No. : 309595; Weighting : 1.0000)

Wing Leung H., Ting Lau E.Y., Ning Leung C.O., Leung Lei M.M., Kit Mok E.H., Ma V.W.S., Shing Cho W.C., Ng I.O.L., Ping Yun J., Hang Cai S., Ma S. and Lee T.K., NRF2/SHH signaling cascade promotes tumor-initiating cell lineage and drug resistance in hepatocellular carcinoma, 2020. (Publication No. : 309605; Weighting : 0.0833)

Wong G.W., Ng F.Y., Tsun O.K.L., Pang H.M.H., Ip P.C.P. and Cheung A.N.Y., Machine learning interpretation of extended human papillomavirus genotyping by Onclarity in an Asian cervical cancer screening population, *Journal of Clinical Microbiology*. 2019. <http://dx.doi.org/10.1128/JCM.00997-19> (Publication No. : 306285; Weighting : 0.8333)

YANG X., HU F., Liu A.J., Shan Y., Cheung M.P.L., Liu X.L., Ng I.O.L., Guan X., Wong K.W.K., Sharma R., Lung H.L., Jiao Y.F., Lee L.T.O. and Cheung M.C.H., Nuclear DLC1 exerts oncogenic function through association with FOXK1 for cooperative activation of MMP9 expression in melanoma, *Oncogene*. Springer Nature, 2020. <http://dx.doi.org/10.1038/s41388-020-1274-8> (Publication No. : 309581; Weighting : 0.0714)

Yao G./, Qi J., Liang J., Shi B., Chen W., Li W., Tang X., Wang D., Lu L., Chen W., Shi S., Hou Y. and Sun L., Mesenchymal stem cell transplantation alleviates experimental Sjögren's syndrome through IFN- $\beta$ /IL-27 signaling axis, *Theranostics*. 2019, 9, 8253-8265. <http://dx.doi.org/10.7150/thno.37351> (Publication No. : 309592; Weighting : 0.0769)

## Conference papers

Khoo U.S., Targeting Hyperpolarization-activated cyclic nucleotide-gated channels as a novel therapy for breast cancer., 1st International Congress of Cancer & Clinical Oncology, Singapore, December 5-7 2019 . 2019. (Publication No. : 298848; Weighting : 1.0000)

Ngan H.Y.S. and Ip P.C.P., Comparison of different staging systems for high-grade uterine leiomyosarcoma, 21st International Meeting of the European Society of Gynaecological Oncology. 2019. (Publication No. : 309522; Weighting : 0.5000)

WANG S., Sit K.Y., Chan M.C.W., Hsin M.K.Y., Yam J.W.P., Au T.W.K., Wong M.P. and Xiao Z., GSTP1 mediates tumor initiating cell phenotypes and drug resistance in lung cancer , *Goodbye Flat Biology: Advancing 3D-based Models for Cancer Biology and Drug Discovery*. 2019. (Publication No. : 306688; Weighting : 0.5000)

## Editorship, Invited lectures and keynote speeches

Ng I.O.L., Liver Cancer Stem Cells and Stemness, Keystone Symposia on Molecular and Cellular Biology: Cancer Stem Cells: Advances in Biology and Clinical Translation, Hong Kong. 2019. (Publication No. : 301644; Weighting : 1.0000)

### **Prizes and awards**

Lin X. and Lu L., Young Investigator Award, Hong Kong Society for Immunology. 2019. (Publication No. : 307764; Weighting : 0.5000)