BII – Advanced Spatial Omics with Quantum and Generative AI

*** (Publications sorted: Newest – Oldest)*

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2.	**Neo SY, Shuen TWH, Khare S, Chong J, Lau M, Shirgaonkar N, Chua L, Zhao J, Lee K, Tan C, Ba R, Lim J, Chua J, Cheong HS, Chai HM, Chan CY, Chung AYF, Cheow PC, Jeyaraj PR, Teo JY, Koh YX, Chok AY, Chow PKH, Goh B, Wan WK, Leow WQ, Loh TJZ, Tang PY, Karunanithi J, Ngo NT, Lim TKH, Xu S, Dasgupta R, Toh HC, Lam KP.** Atypical memory B cells acquire Breg phenotypes in hepatocellular carcinoma. JCI Insight. 2025 Feb 25:e187025.
3.	**Tay RE, Ho CM, Ang NDZ, Tay HC, Lopez DZ, Na QR, Tan YW, Koh SM, Tan KP, Lee W, Lim J, Lau MC, Toh HC, Rotzschke O, Rénia L.** Serotonin receptor 5-HT2A as a potential target for HCC immunotherapy. JITC. 2025;13:e011088.
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6.	**Azam AB, Wee F, Väyrynen JP, Yim WW, Xue YZ, Chua BL, Lim JCT, Somasundaram AC, Tan DSW, Takano A, Chow CY, Khor LY, Lim TKH, Yeong J, Lau MC, Cai Y.** Training immunophenotyping deep learning models with the same-section ground truth cell label derivation method improves virtual staining accuracy. Front. Immunol. 2024 Jun 28;15:1404640.
7.	**Elomaa H, Härkönen J, Väyrynen SA, Ahtiainen M, Ogino S, Nowak JA, Lau MC, Helminen O, Wirta EV, Seppälä TT, Böhm J, Mecklin JP, Kuopio T, Väyrynen JP.** Quantitative multiplexed analysis of IDO and ARG1 expression and myeloid cell infiltration in colorectal cancer. Mod Pathol. 2024 Feb 16:100450.
8.	**Hong JH, Yong CH, Heng HL, Chan JY, Lau MC, Chen J, Lee JY, Lim AH, Li Z, Guan P, Chu PL, Boot A, Ng SR, Yao X, Wee FYT, Lim JCT, Liu W, Wang P, Xiao R, Zeng X, Sun Y, Koh J, Kwek XY, Ng CCY, Klanrit P, Zhang Y, Lai J, Tai DWM, Pairojkul C, Dima S, Popescu I, Hsieh S-Y, Yu M-C, Yeong J, Kongpetch S, Jusakul A, Loilome W, Tan P, Tan J, Teh BT.** Integrative multiomics enhancer activity profiling identifies therapeutic vulnerabilities in cholangiocarcinoma of different etiologies. Gut.
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