

Fighting Disease Recurrence and Promoting Tissue Repair after Liver Transplantation: Translating Basic Discoveries to Clinical Excellence

肝移植後原發病復發和組織修復的科研攻堅：從轉化基礎研究到優化臨床決策

Theme-based Research Scheme (T12-703/19-R)

Project Coordinator: **Professor Nancy Kwan MAN**

Department of Surgery, School of Clinical Medicine, LKS Faculty of Medicine
The University of Hong Kong

Total Publications: 55; Impact Factor >20 (8), Impact Factor >10 (26).

The impact factor (IF) is determined for the year 2024.

(Project Coordinator with underline and bold; Co-Principal Investigator and Co-Investigator with bold; Research Assistant Professor, Research Officer, Post-doctoral Fellow and PhD student with underline. #Co-first author; *Corresponding authors.)

2024

1. Zhou Y[#], Pang L[#], Ding T[#], Chen K, Liu J, Wu M, Wang W*, **Man K***. Precise In Situ Delivery of a Photo-enhanceable Inflammasome-Activating Nanovaccine Activates Anti-cancer Immunity. *Cancer Res* 2024 Sep 17. doi: 10.1158/0008-5472.CAN-24-0220. (IF=12.7)
2. **Tan Z**, Chiu MS, Yue M, Kwok HY, Tse MH, Wen Y, Chen B, Yang D, Zhou D, Song YQ, **Man K, Chen Z***. Enhancing the efficacy of vaccinia-based oncolytic virotherapy by inhibiting CXCR2-mediated MDSC trafficking. *J Leukoc Biol.* 2024 Mar 29;115(4):633-646. doi: 10.1093/jleuko/qjad150. (IF=4.96)
3. Wen J, **Zhang X**, Wong CC, Zhang Y, Pan Y, Zhou Y, Cheung AH, Liu Y, Ji F, Kang X, Liu D, **Yu J***. Targeting squalene epoxidase restores anti-PD-1 efficacy in metabolic dysfunction-associated steatohepatitis-induced hepatocellular carcinoma. *Gut.* 2024 May 13: gutjnl-2023-331117. doi: 10.1136/gutjnl-2023-331117. (IF=23.6)
4. Song Y, Zhong W, Lau HC, Zhang Y, Guan H, Xie M, Ha S, Shou D, Zhou Y, Xu H*, **Yu J***, **Zhang X***. Carboxyl Ester Lipase Protects Against Metabolic Dysfunction-Associated Steatohepatitis by Binding to Fatty Acid Synthase. *Engineering* 2024 May doi.org/10.1016/j.eng.2024.04.018. (IF=13.3)
5. Zhou X, **Zhang X, Yu J***. Gut mycobiome in metabolic diseases: Mechanisms and clinical implication. *Biomed J.* 2024 Jun;47(3):100625. doi: 10.1016/j.bj.2023.100625. (IF=4.91)
6. Lau HC, **Zhang X**, Ji F, Lin Y, Liang W, Li Q, Chen D, Fong W, Kang X, Liu W, Chu ES, Ng QW, **Yu J***. Lactobacillus acidophilus suppresses non-alcoholic fatty liver disease-associated hepatocellular carcinoma through producing valeric acid. *EBioMedicine* 2024 Feb: 100:104952. doi: 10.1016/j.ebiom.2023.104952. (IF=8.41)

2023

7. [Tan Z*](#), [Chiu MS](#), [Yang X](#), [Yue M](#), [Cheung TT](#), [Zhou D](#), [Wang Y](#), [Chan AW](#), [Yan CW](#), [Kwan KY](#), [Wong YC](#), [Li X](#), [Zhou J](#), [To KF](#), [Zhu J](#), [Lo CM](#), [Cheng AS](#), [Chan SL](#), [Liu L](#), [Song Y](#), [Man K*](#), [Chen Z*](#). Isoformic PD-1-mediated immunosuppression underlies resistance to PD-1 blockade in hepatocellular carcinoma patients. *Gut* 2023; 72(8) 1568-1580 (IF=23.6)
8. [Liu H#](#), [Zhu Y#](#), [Ng KT](#), [Lo C](#), [Man K*](#). The landscape of aberrant alternative splicing events in steatotic liver graft post transplantation via transcriptome- wide analysis *Int J Mol Sci* 2023; 24(9): 8216. (IF=4.45)
9. [Liu H](#), [Yeung Wai Ho](#), [Pang L](#), [Liu J](#), [Liu XB](#), [Ng KT](#), [Qiu WQ](#), [Zhu YQ](#), [Ding T](#), [Wang Z](#), [Zhu JY](#), [Lo CM](#), [Man K*](#). Activation of NLRP3 Inflammasome by Arachidonic Acid via FATP2 in MDSCs Promotes Tumor Recurrence after Liver Transplantation Using Steatotic Graft. *JHEP Report* 2023 Aug 22;5(12):100895. doi: 10.1016/j.jhepr.2023.100895. (IF=9.5)
10. [Ng KT](#), [Liu J](#), [Yeung OW](#), [Pang L](#), [Shiu HC](#), [Liu H](#), [Yang XX](#), [Chan AC](#), [Wong TC](#), [Lo CM*](#), [Man K*](#). Posttransplant inflammatory cytokine signature adds the value for predicting tumor recurrence after liver transplantation for hepatocellular carcinoma *Hepatol Int.* 2023 Dec;17(6):1596-1609. doi: 10.1007/s12072-023-10566-1. (IF=6.05)
11. [Liu J](#), [Man K*](#). Mechanistic Insight and Clinical Implications of Ischemia/Reperfusion Injury Post Liver Transplantation. *Cellular and Molecular Gastroenterology and Hepatology* 2023;15(6):1463-1474. (IF=9.22)
12. [Liu J](#), [Man K*](#). Biomarkers for monitoring alcohol sobriety after liver transplantation for alcoholic liver disease. *J Gastroenterol Hepatol.* 2023 Aug;38(8):1227-1232. doi: 10.1111/jgh.16269. (IF=4.03)
13. [Yang Z](#), [Gao S](#), [Wong CC](#), [Liu W](#), [Chen H](#), [Shang H](#), [Wu ZY](#), [Xu L](#), [Zhang X](#), [Wong N](#), [Kuang M](#), [Yu J*](#). TUBB4B is a novel therapeutic target in non-alcoholic fatty liver disease-associated hepatocellular carcinoma *J Pathol* 2023; 260(1):71-83. (IF=8)
14. [Wei W](#), [Wong CC](#), [Jia Z](#), [Liu W](#), [Liu C](#), [Ji F](#), [Pan Y](#), [Wang F](#), [Wang G](#), [Zhao L](#), [Chu ES](#), [Zhang X](#), [Sung JJ](#), [Yu J*](#). Parabacteroides distasonis uses dietary inulin to suppress NASH via its metabolite pentadecanoic acid. *Nat Microbiol* 2023 Aug;8(8):1534-1548. doi: 10.1038/s41564-023-01418-7. (IF=17.75)
15. [Guan H](#), [Zhang X](#), [Kuang M*](#), [Yu J*](#). The gut–liver axis in immune remodeling of hepatic cirrhosis. *Front Immunol* 2022 Aug 8;13:946628. doi: 10.3389/fimmu.2022.946628. (IF=7.56)
16. [Song Q](#), [Zhang X](#), [Liu W](#), [Wei H](#), [Liang W](#), [Zhou Y](#), [Ding Y](#), [Ji F](#), [Cheung AH](#), [Wong N](#), [Yu J*](#). Bifidobacterium pseudolongum through its generated acetate suppresses non-alcoholic fatty liver disease-associated hepatocellular carcinoma. *J Hepatol* 2023 Dec;79(6):1352-1365. doi: 10.1016/j.jhep.2023.07.005. (IF=25.08)
17. [Pan Y](#), [Chen H](#), [Zhang X](#), [Liu W](#), [Ding Y](#), [Huang D](#), [Zhai J](#), [Wei W](#), [Wen J](#), [Chen D](#), [Zhou Y](#), [Liang C](#), [Wong N](#), [Man K](#), [Cheung AH](#), [Wong CC](#), [Yu J*](#). METTL3 drives NAFLD-related hepatocellular carcinoma and is a therapeutic target for boosting immunotherapy. *Cell Rep Med* 2023 Aug 15;4(8):101144. doi: 10.1016/j.xcrm.2023.101144. (IF=11.7)
18. [Zhang X](#), [Ha S](#), [Lau HC](#), [Yu J*](#). Excess body weight: Novel insights into its roles in obesity comorbidities. *Semin Cancer Biol* vol. 92 (2023): 16-27. (IF=15.71)
19. [Rui K](#), [Xiao F](#), [Tian J](#), [Chen J](#), [Lu L*](#). Chemotherapy tips the scale in favour of cancer-fighting B cells. *Clin Transl Med.* 2023 Sep;13(9): e1407. doi: 10.1002/ctm2.1407. (IF=11.49)
20. [Ma K](#), [Du W](#), [Wang S](#), [Xiao F](#), [Li J](#), [Tian J](#), [Xing Y](#), [Kong X](#), [Rui K](#), [Qin R](#), [Zhu X](#), [Wang J](#), [Luo C](#), [Wu H](#), [Zhang Y](#), [Wen C](#), [He L](#), [Liu D](#), [Zou H](#), [Lu Q](#), [Wu L](#), [Lu L*](#). B1-cell-produced anti-phosphatidylserine antibodies contribute to lupus nephritis development via TLR-mediated Syk

activation. *Cell Mol Immunol.* 2023 Aug;20(8):881-894. doi: 10.1038/s41423-023-01049-2. (IF=11.53)

2022

21. Liu XB[#], Liu H[#], Liu J, Cheung AKL, Zheng MZ, Cheng JL, Liu QS, Lo CM, **Chen ZW, Man K***. Cytomegalovirus Latency Exacerbated small-for-size Liver Graft Injury through Activation of CCL19/CCR7 in Hepatic Stellate Cells. *Transplantation.* 2022 106:519-530. (IF=4.94)
22. Liu J, Lo CM, **Man K***. Role of Intrahepatic Regional Immunity in Post-Transplant Cancer Recurrence *Engineering.* 2022 Mar10.1016/j.eng.2021.11.012. (IF=13.3)
23. Pang L, Yeung OW, Ng KT, Liu H, Zhu J, Liu J, Yang X, Ding T, Qiu W, Wang Y, Chiu TL, **Chen Z, Lo C, Man K***. Postoperative plasmacytoid dendritic cells secrete IFN-alpha to promote recruitment of myeloid-derived suppressor cells and drive hepatocellular carcinoma recurrence. *Cancer Res* 2022; 82(22): 4206-4218. (IF=12.7)
24. Dong P[#], Cai Z[#], Li B, Zhu Y, **Chan A**, Chiang M, Au CH, Sung WK, Cheung TT, Lo CM, **Man K***, **Lee NP***. HFE promotes mitotic cell division through recruitment of cytokinetic abscission machinery in hepatocellular carcinoma. *Oncogene* 2022 Sep;41(36):4185-4199. doi: 10.1038/s41388-022-02419-2 (IF=9.87)
25. Wong AM[#], Ding X[#], Wong AM, Xu M, Zhang L, Leung HH, Chan AW, Song QX, Kwong J, Chan LK, Man M, He M, Chen J, Zhang Z, You W, Lau C, Yu A, Wei Y, Yuan Y, Lai PB, Zhao J, **Man K, Yu J**, Kahn M, Wong N*. Unique molecular characteristics of NAFLD-associated liver cancer accentuate beta-catenin/TNFRSF19-mediated immune evasion. *J Hepatol* 2022 Aug;77(2):410-423. doi: 10.1016/j.jhep.2022.03.015. (IF=25.08)
26. Zhang Y, **Zhang X**, Kung M, **Yu J***. Emerging insights on immunotherapy in liver cancer. *Antioxid Redox Signal.* 2022; doi:10.1089/ars.2022.0047. (IF=8.4)
27. Wang L, Zhu L, Liang C, Huang X, Liu Z, Huo J, Zhang Y, Zhang Y, Chen L, Xu H, Li X, Xu L, Kuang M, Wong CC, **Yu J***. Targeting N6-methyladenosine reader YTHDF1 with siRNA boosts antitumor immunity in NASH-HCC by inhibiting EZH2-IL-6 axis. *J Hepatol.* 2023 Nov;79(5):1185-1200. doi: 10.1016/j.jhep.2023.06.021. (IF=25.08)
28. Liu J, Geng W, Sun H, Liu C, Huang F, Cao J, Zhai J, Li Q, **Zhang X**, Kuang M, Shen S, Xia Q*, Wong VW*, **Yu J***. Integrative metabolomic characterisation identifies altered portal vein serum metabolome contributing to human hepatocellular carcinoma. *Gut.* 2022; 71:1203-1213. (IF=23.6)
29. Wang F, **Zhang X**, Liu W, Zhou Y, Wei W, Liu D, Wong CC, Sung JJY, **Yu J***. Activated Natural Killer Cell Promotes Nonalcoholic Steatohepatitis Through Mediating JAK/STAT Pathway. *Cell Mol Gastroenterol Hepatol* 2022; 13:257-274. (IF=9.22)
30. Thakur A, Johnson A, Jacobs E, Zhang K, Chen J, Wei Z, **Lian Q** and Chen H. Energy sources for exosome communications in cancer microenvironment. *Cancers (Basel).* 2022 Mar 27;14(7):1698. doi: 10.3390/cancers14071698. (IF=6.13)
31. Thakur A, Ke X, Chen YW, Motallebnejad P, Zhang K, **Lian Q**, Chen HJ. The mini player with diverse functions: extracellular vesicles in cell biology, disease, and therapeutics. *Protein Cell.* 2022 Sep;13(9):631-654. doi: 10.1007/s13238-021-00863-6. (IF=14.87)
32. Xiao F, Rui K, Han M, Zou L, Huang E, Tian J, Zhang L, Jiang Q, Wu Y*, **Lu L***. Artesunate suppresses Th17 response via inhibiting IRF4-mediated glycolysis and ameliorates Sjögren's

syndrome. *Signal Transduct Target Ther* 2022. 7(1): 274. (IF=18.19)

33. [Xiao F, Rui K, Shi X, Wu H, Cai X, Lui KO, Lu Q, Ballestar E, Tian J*, Zou H*, Lu L*, Epigenetic regulation of B cells and its role in autoimmune pathogenesis. *Cell Mol Immunol* 2022. 19\(11\): 1215–1234. \(IF=11.53\)](#)

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34. [Pang L, Ng KT, Liu J, Yueng OW, Zhu J, Chiu TS, Liu H, Chen ZW, Lo CM, Man K*. Plasmacytoid dendritic cells recruited by HIF-1 \$\alpha\$ /eADO/ADORA1 signaling induce immunosuppression in hepatocellular carcinoma. *Cancer Letters*. 2021 Dec 522:80-92. \(IF=8.68\)](#)
35. [Yang XX, Yeung WH, Tan KV, Ng TPK, Pang L, Zhou J, Li J, Li C, Li X, Lo CM, Kao WJ, Man K*. Development of cisplatin-loaded hydrogels for trans-portal vein chemoembolization in an orthotopic liver cancer mouse model. *Drug Delivery*. 2021. 28\(1\): 520–529. \(IF=6.42\)](#)
36. [Liu H, Man K*. New Insights in Mechanisms and Therapeutics for Short- and Long-Term Impacts of Hepatic Ischemia Reperfusion Injury Post Liver Transplantation. *Int J Mol Sci*. 2021 22:8210. \(IF=4.56\)](#)
37. [Ng KT, Yeung OW, Lam YF, Liu J, Liu H, Pang L, Yang XX, Zhu J, Zhang W, Lau MY, Qiu WQ, Shiu HC, Lai MK, Lo CM, Man K*. Glutathione S-transferase A2 promotes hepatocellular carcinoma recurrence after liver transplantation through modulating reactive oxygen species metabolism. *Cell Death Discovery*. 2021 Jul 21;7\(1\):188. doi: 10.1038/s41420-021-00569-y. \(IF=4.11\)](#)
38. [Xue Y, Liu H, Yang XX, Pang L, Liu J, Ng KTP, Yeung OWH, Lam YF, Zhang WY, Lo CM, Man K*. Inhibition of Carnitine Palmitoyl transferase 1A Aggravates Fatty Liver Graft Injury via Promoting Mitochondrial Permeability Transition. *Transplantations*. 2021 Mar 1;105\(3\):550-560. doi: 10.1097/TP.00000000000003437. \(IF=4.94\)](#)
39. [Liu H, Ling CC, Yeung WHO, Pang L, Liu J, Zhou J, Zhang WY, Liu XB, Ng TPK, Yang XX, Lo CM, Man K*. Monocytic MDSC mobilization promotes tumor recurrence after liver transplantation via CXCL10/TLR4/MMP14 signaling. *Cell Death Dis*. 2021 May 14;12\(5\):489. doi: 10.1038/s41419-021-03788-4. \(IF=8.47\)](#)
40. [Yeung OWH, Qi X, Pang L, Liu H, Ng KTP, Liu J, Lo CM, Man K*. Type III TGF- \$\beta\$ Receptor Down-Regulation Promoted Tumor Progression via Complement Component C5a Induction in Hepatocellular Carcinoma. *Cancers* \(Basel\). 2021 Mar 25;13\(7\):1503. doi: 10.3390/cancers13071503. \(IF=6.13\)](#)
41. [Zhang X, Coker OO, Chu ES, Fu K, Lau HCH, Wang YX, Chan AWH, Wei H, Yang X, Sung JJY, Yu J*. Dietary cholesterol drives fatty liver-associated liver cancer by modulating gut microbiota and metabolites. *Gut*. 2021 Apr;70\(4\):761-774. doi: 10.1136/gutjnl-2019-319664. \(IF=23.6\)](#)
42. [Liu D, Wong CC, Zhou Y, Li C, Chen H, Ji F, Go MYY, Wang F, Su H, Wei H, Cai Z, Wong N, Wong VWS, Yu J*. Squalene Epoxidase Induces Nonalcoholic Steatohepatitis Via Binding to Carbonic Anhydrase III and is a Therapeutic Target. *Gastroenterology*. 2021 Jun;160\(7\):2467-2482.e3. doi: 10.1053/j.gastro.2021.02.051. \(IF=22.68\)](#)
43. [Peng Y, Wong CC, Yu J*. The paradox of immunotherapy in NASH-HCC. *Signal Transduct Target Ther*. 2021; 6:228. \(IF=18.19\)](#)
44. [Li R, Ong Q, Wong CC, Chu ESH, Sung JJY, Yang X, Yu J*. GlcNAcylation inhibits hepatic](#)

- stellate cell activation. *J Gastroenterol Hepatol*. 2021; 36:3477-3486. (IF=4.03)
45. [Wang F, Lau JKC, Yu J*](#). The role of natural killer cell in gastrointestinal cancer: killer or helper. *Oncogene*. 2021 Jan;40(4):717-730. doi: 10.1038/s41388-020-01561-z. (IF=9.87)
46. [Wong TC, Fung JY, Pang HH, Leung CK, Li HF, Sin SL, Ma KW, She BW, Dai JW, Chan AC, Cheung TT, Lo CM*](#). Analysis of Survival Benefits of Living Versus Deceased Donor Liver Transplant in High Model for End-Stage Liver Disease and Hepatorenal Syndrome. *Hepatology*. 2021 Jun;73(6):2441-2454. doi: 10.1002/hep.31584. (IF=17.43)
47. [Wong TC, Lee VH, Law AL, Pang HH, Lam KO, Lau V, Cui TY, Fong AS, Lee SW, Wong EC, Dai JW, Chan AC, Cheung TT, Fung JY, Yeung RM, Luk MY, Leung TW, Lo CM*](#). Prospective study of stereotactic body radiation therapy for hepatocellular carcinoma on waitlist for liver transplant. *Hepatology*. 2021 Jun 6. doi: 10.1002/hep.31992. (IF=17.43)
48. [Wang X*, Lin X, Zheng Z, Lu B, Wang J, Tan AH, Zhao M, Loh JT, Ng SW, Chen Q, Xiao F, Huang E, Ko KH, Huang Z, Li J, Kok KH, Lu G, Liu X, Lam KP, Liu W, Zhang Y, Yuen KY, Mak TW, Lu L*](#). Host-derived lipids orchestrate pulmonary $\gamma\delta$ T cell response to provide early protection against influenza virus infection. *Nat Commun*. 2021 Mar 26;12(1):1914. doi: 10.1038/s41467-021-22242-9. (IF=14.92)
49. [Deng C, Peng N, Tang Y, Yu N, Wang C, Cai X, Zhang L, Hu D, Ciccia F, Lu L*](#). Roles of IL-25 in Type 2 Inflammation and Autoimmune Pathogenesis. *Front Immunol*. 2021 May 28; 12:691559. doi: 10.3389/fimmu.2021.691559. (IF=7.56)
50. [Li Q, Tian S, Yan B, Liu CM, Lam TW, Li R, Luo R*](#). Building a Chinese pan-genome of 486 individuals. *Commun Biol*. 2021 Aug 30;4(1):1016. doi: 10.1038/s42003-021-02556-6. (IF=4.17)

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51. [Liu J, Pang L, Ng KTP, Chiu TLS, Liu H, Liu X, Xu A, Lo CM, Man K*](#). Compromised AMPK-PGC1 α Axis Exacerbated Steatotic Graft Injury by Dysregulating Mitochondrial Homeostasis in Living Donor Liver Transplantation. *Ann Surg*. 2020 Sep 1. doi: 10.1097/SLA.0000000000004468. (IF=10.1)
52. [Ng KT, Yueng OW, Liu J, Li CX, Liu H, Liu XB, Qi X, Ma YY, Lam YF, Lau MY, Qiu WQ, Shiu HC, Lai MK, LO CM and Man K*](#). Clinical significance and functional role of transmembrane protein 47 (TMEM47) in chemoresistance of hepatocellular carcinoma. *International Journal of Oncology*. 2020 Jul 28. doi: 10.3892/ijo.2020.5104 (IF=5.65)
53. [Yang X, Li C, Ng KT, Liu J, Liu H, Zhang W, Xiao F, Li X, Lo CM, Lu L, Man K*](#). IL-17a exacerbates hepatic ischemia-reperfusion injury in fatty liver by promoting neutrophil infiltration and mitochondria-driven apoptosis. *J Leukoc Biol*. 2020 Nov;108(5):1603-1613. doi: 10.1002/JLB.3MA0520-716R. (IF=4.96)
54. [Wei T, # Liu J#, Li D#, Chen S, Zhang Y, Li J, Fan L, Guan Z, Lo CM, Wang L*, Man K*, Sun D*](#). Development of Magnet-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy. *Small*. 2020 Oct;16(41): e1906908. doi: 10.1002/smll.201906908. (IF=13.28)
55. [Pan Y, Chen H, Yu J*](#). Biomarkers in Hepatocellular Carcinoma: Current Status and Future Perspectives. *Biomedicines*. 2020 Dec 7;8(12):576. doi: 10.3390/biomedicines8120576. (IF=4.72)

Fighting Disease Recurrence and Promoting Tissue Repair after Liver Transplantation: Translating Basic Discoveries to Clinical Excellence

肝移植後原發病復發和組織修復的科研攻堅：從轉化基礎研究到優化臨床決策

Theme-based Research Scheme (T12-703/19-R)

Project Coordinator: Professor Nancy Kwan MAN

Department of Surgery, School of Clinical Medicine, LKS Faculty of Medicine
The University of Hong Kong

Total Awards: 74

International Awards: 43

National Awards: 9

Local Awards: 22

Project Coordinator

Professor MAN, Kwan Nancy (Department of Surgery, HKU)

1. Rising Star Award (Mentor), The 2021 Virtual International Congress of International Liver Transplantation Society (ILTS).
2. Rising Star Award (Mentor), The 2022 International Congress of ILTS. May 2022, Istanbul, Turkey.
3. Basic Science Established Investigator Award, The 2022 International Congress of ILTS. May 2022, Istanbul, Turkey.
4. Best-performing start-up, Asia Summit on Global Health (ASGH) Project Pitching Session “Medical Devices & Diagnostics”. 2024, Hong Kong.
5. Geneva Gold Medal Award, The 49th Geneva International Exhibition of Inventions 2024, Geneva, Switzerland. (Awardees: MAN Kwan, YEUNG Oscar Wai-Ho, LIU Jiang, MA Yuanyuan, ZHONG Rongrong, HUANG Xiaoyun)
6. China Association of Inventions (CAI) Award Invention & Innovation, The 49th Geneva International Exhibition of Inventions 2024, Geneva, Switzerland.
7. Faculty Outstanding Research Output Award 2023, in recognition of the research paper published in *Gut*. Faculty of medicine, The University of Hong Kong (HKUMed)
8. Faculty Outstanding Research Output Award 2023, in recognition of the research paper published in *The Lancet Gastroenterology and Hepatology*. HKUMed
9. Conferment of the title of Chair Professor by the president of The University of Hong Kong 2023
10. World's Top 2% Scientists Released by Stanford University, 2021-24

Co-Principal Investigator

Professor Chen Zhiwei (Department of Microbiology, HKU)

1. Most Picked Award - 2021 Chinese Scientists with Cell Press (Cell Press)
2. Bronze Medal in Inventions Geneva Evaluation 2022

3. Ranked by Clarivate Analytics as the top 1% worldwide by citations and one of HKU academics among Highly Cited Researchers 2022
4. Faculty Outstanding Research Output Award 2022, in recognition of the research paper published in *Cell Host & Microbe*. HKUMed
5. Ranked by Clarivate Analytics as the top 1% worldwide by citations and one of HKU academics among Highly Cited Researchers 2023
6. Faculty Outstanding Research Output Award 2023, in recognition of the research paper published in *Gut*. HKUMed
7. Conferment of the title of Chair Professor by the president of The University of Hong Kong 2023

Professor YU Jun (Department of Medicine and Therapeutics, CUHK)

1. 2021 Sep “Integrative Research on Natural History, Mechanism, Diagnostic and Therapeutic Targets for Non-alcoholic Fatty Liver Disease and its related Hepatocellular Carcinoma”. The National Natural Science (second class), Ministry of Science and Technology, China. (Awardees: YU Jun, WONG Wai Sun, CHEN Lik Yuen, ZHANG Xiang, SUNG Jao Yiu).
2. 2022 May Guanghua Engineering Technology Award, Chinese Academy of Engineering.
3. 2022 July Research Excellence Award 2021-22 in the Faculty of Medicine, The Chinese University of Hong Kong (CUHK)
4. 2022 Dec The GUT prize for Top Author
5. 2023 July Distinguished Research Awards for Gene and Cell Therapy
6. 2023 Nov Highly cited researchers (Clarivate)
7. 2023 Dec Wu Jieping-Paul Janssen Prize in Medicine and Pharmacy, Ministry of Science and Technology of the People's Republic of China
8. 2024 May Outstanding Research Impact Award in the Faculty of Medicine, CUHK
9. 2024 June Research Excellence Award 2023-24 in the Faculty of Medicine, CUHK

Professor Lu Liwei (Department of Pathology, HKU)

1. Faculty Outstanding Research Output Award 2023, in recognition of the research paper published in *Signal Transduction and Targeted Therapy*. HKUMed

Co-Investigator

Professor CHAN, Albert Chi Yan (Department of Surgery, HKU)

1. Geneva Special Grand Prize, The 49th Geneva International Exhibition of Inventions 2024, Geneva, Switzerland. (Awardees: CHAN Albert Chi Yan, CHIANG Chi Leung)
2. Geneva Silver Medal Award, The 49th Geneva International Exhibition of Inventions 2024, Geneva, Switzerland. (Awardees: CHAN Albert Chi Yan, CHIANG Chi Leung)
3. Faculty Outstanding Research Output Award 2023, in recognition of the research paper published in *The Lancet Gastroenterology and Hepatology*. HKUMed
4. Faculty Outstanding Research Output Award 2021, in recognition of the research paper

published in *Journal of hepatology*. HKUMed

Dr LUO Ruibang (School of Computing and Data Science, HKU)

1. Top 1% Scholars Worldwide by Clarivate Analytics, 2019-24
2. World's Top 2% Scientists Released by Stanford University, 2020-24
3. Faculty's Best Teacher Award, HKU Engineering, 2022/23
4. Department's Best Teacher Award, HKU Computer Science, 2022/23
5. Top 150 Chinese Young Scholars in Artificial Intelligence by Baidu Research, 2022

Dr LEE, Nikki Pui-Yue (Department of Surgery, HKU)

1. First runner up, The 2021 Rohto Award Hong Kong. (Awardees: LEE Pui-Yue, CHU Chui Shan)

Dr. ZHANG Xiang Jennifer (Department of Medicine and Therapeutics, CUHK)

1. 2022 Aug National Natural Science Foundation of China, Excellent Young Scientist
2. 2021 Sep “Integrative Research on Natural History, Mechanism, Diagnostic and Therapeutic Targets for Non-alcoholic Fatty Liver Disease and its related Hepatocellular Carcinoma”. (Jun Yu, Wai Sun Wong, Lik Yuen Chen, Xiang Zhang, Jao Yiu Sung). The National Natural Science (second class), Ministry of Science and Technology, China
3. 2022 Jan An Expertscape Expert in Fatty Liver by Health Weight Week

Team Members and Students

Dr LIU Jiang (RAP, Department of Surgery, HKU)

1. Mentee-Mentor Award, 29th International Congress of The Transplantation Society, 2022, Buenos Aires, Argentina.
2. Poster of Distinction Award, International Digestive Disease Forum 2022, Aug 2022, Hong Kong.
3. Young Investigator Award, International Digestive Disease Forum 2023, May 2023, Hong Kong.
4. Young Investigator Award, The 2023 International Congress of ILTS. May 2023, Rotterdam, Netherlands.
5. Vanguard Award for Basic Science Research, The 2023 International Congress of ILTS. May 2023, Rotterdam, Netherlands.
6. Best Abstract Award, Congress of Asian Society of Transplantation, 2023, Hong Kong.

Dr YANG Xinxiang (PDF, Department of Surgery, HKU)

1. Young Investigator Award, 32nd Conference of the Asian Pacific Association for the Study of the Liver, Feb 2023, Taipei.
2. Poster of Distinction Award, International Digestive Disease Forum 2023. June 2023, Hong Kong
3. Young Investigator Award, Hong Kong Society of Immunology Forum 2024. May 2024, Hong Kong.
4. Best Abstract Award, Congress of Asian Society of Transplantation, 2023, Hong Kong.

Dr PANG Li (PhD student 2017-2020; PDF 2021, Department of Surgery, HKU)

1. Rising Star Award (Mentee), The 2021 Virtual International Congress of ILTS.
2. Young Investigator Award, The 2023 International Congress of ILTS. May 2023, Rotterdam, Netherlands.
3. Vanguard Award for Basic Science Research, The 2023 International Congress of ILTS. May 2023, Rotterdam, Netherlands.

Dr WANG Yuewen (PhD student 2018-2022, Department of Surgery, HKU)

1. Young Investigator Award, The 2021 Virtual International Congress of ILTS.

CHENG, Fredrick Yum Hung (PhD student 2019-2023, Department of Surgery, HKU)

1. Best Poster Award, Hong Kong Society of Immunology Forum 2021. May 2021, Hong Kong.

DING Tao (PhD student, Department of Surgery, HKU)

1. Rising Star Award (Mentee), The 2022 International Congress of ILTS. May 2022, Istanbul, Turkey.
2. Poster of Distinction Award, International Digestive Disease Forum 2022, Aug 2022, Hong Kong.
3. Young Investigator Award, The 2024 International Congress of ILTS. May 2024, Houston, United States.
4. Young Investigator Award, Hong Kong Society of Immunology Forum 2023. Feb 2023, Hong Kong.

WANG Zhe (PhD student, Department of Surgery, HKU)

1. Young Investigator Award, The 2022 International Congress of ILTS. May 2022, Istanbul, Turkey.
2. Poster of Distinction Award, International Digestive Disease Forum 2022, Aug 2022, Hong Kong.
3. Young Investigator Award, The 2024 International Congress of ILTS. May 2024, Houston, United States.

WANG Jiaqi (PhD student, Department of Surgery, HKU)

1. Poster of Distinction Award, International Digestive Disease Forum 2024, Aug 2024, Hong Kong.

ZHAN Wenxin Sophia (PhD student, Department of Surgery, HKU)

1. Poster of Distinction Award, International Digestive Disease Forum 2023, Aug 2023, Hong Kong.

JIAN Zhen (PhD student, Department of Surgery, HKU)

1. Best Poster Award, Hong Kong Society of Immunology Forum 2024. May 2024, Hong Kong.
2. Young Investigator Award, The 2024 International Congress of ILTS. May 2024, Houston, United States

Dr PAN Yasi (PDF, Department of Medicine and Therapeutics, CUHK)

1. Young Investigator Award of Hong Kong Immunology Association (Feb 4, 2023).
2. Travel Grant in United European Gastroenterology Week (UEGW) 2023, Oct 14-17, 2023, Copenhagen, Denmark.
3. Best Abstract presentation Prize in UEGW October 14 - 17, 2023 - Oct 14-17, 2023 in Copenhagen

Dr WEI Wenchao (PDF, Department of Medicine and Therapeutics, CUHK)

1. Dr. Barbara Kwok Young Postdoctoral Researcher Travel Grants (March 1st 2023).

LAU, Harry Cheuk-Hay (PhD Candidate, Department of Medicine and Therapeutics, CUHK)

1. 1st prize of 热心肠奖学金 2021 (Basic Research Category), organized by 热心肠研究院, China.
2. Dragon Culture PhD Scholarships for Medical Studies in 2021/22, organized by Dragon Culture Charity Fund Limited Hong Kong.

LIU Jinkai (PhD Candidate, Department of Medicine and Therapeutics, CUHK)

1. CUHK Young Scholars Thesis Award 2021 (Medicine), organized by CUHK (July 2022).

SONG Qian (PhD Candidate, Department of Medicine and Therapeutics, CUHK)

1. Young Investigator Award, International Digestive Disease Forum 2022. Sep 2022, Hong Kong.

ZHANG Yating (PhD student, Department of Medicine and Therapeutics, CUHK)

1. Special Prize at Postgraduate Academic Forum on Explaining the Theoretical Basis of the Characteristics and Advantages of Traditional Chinese Medicine, September 2024, Guangzhou.