

Curriculum Vitae

**CV must be written in English*

Personal Information



Title (i.e. Prof., Dr., etc.)	Asst Prof.
Name (First / Middle / Last)	LEE Wei Jie Jonathan
Degree (i.e. MD, MSc, PhD, etc.)	MBBS(Hons), PhD
Country	Singapore
Affiliation	National University Hospital, Singapore

Educational Background

- 2024 PhD, National University of Singapore
- 2017 Masters of Clinical Investigation, National University of Singapore
- 2017 Fellowship, Chapter of Gastroenterology, Academy of Medicine, Singapore
- 2014 Membership, MRCP, Royal College of Medicine, UK
- 2010 BSc(Hons), MBBS(Hons), University of NSW, Sydney, Australia

Professional Experience

- 2024 - present Senior Consultant, National University Hospital, Singapore
- 2024 – present Director, Inflammatory Bowel Disease Unit, NUH, Singapore
- 2019 - 2024 Consultant, National University Hospital, Singapore
- 2017 - 2019 Associate Consultant, National University Hospital, Singapore
- 2017 – present Research Director, Div of Gastroenterology, NUH, Singapore
- 2022 - present Assistant Professor, National University of Singapore
- 2022 – present Principal Investigator, iHealthtech, NUS, Singapore
- 2022 – present Visiting Scientist, MIT-Harvard Broad Institute, USA

Professional Organizations

- AOCC Clinical Research Committee
- iHealthtech, NUS, Singapore
- SynCTI, NUS, Singapore
- National University Center of Digestive Health, NUHS, Singapore
- Chapter of Gastroenterology, Academy of Medicine, Singapore
- MIT-Harvard Broad Institute, USA

Main Scientific Publications

- Lee JWJ, Plichta DR, Asher S, Delsignore M, Jeong T, McGoldrick J, Staller K, Khalili H, Xavier RJ, Chung DC. Association of distinct microbial signatures with premalignant colorectal adenomas. *Cell Host Microbe*. 2023 May 10;31(5):827-838.e3. **IF 31.316**
- *Png CW, Lee WJJ, Chua SJ, Zhu F, Yeoh KG, Zhang Y. Mucosal microbiome associates with progression to gastric cancer. *Theranostics*. 2022;12(1):48-58. **IF 11.600**
- *Lee JWJ, Zhu F, Srivastava S, Tsao SKK, Khor C, Ho KY, Fock KM, Lim WC, Ang TL, Chow WC, So JBY, Koh CJ, Chua SJ, Wong ASY, Rao J, Lim LG, Ling KL, Chia CK, Ooi CJ, Rajnakova A, Yap WM, Salto-Tellez M, Ho B, Soong R, Chia KS, Teo YY, Teh M, Yeoh KG. Severity of gastric intestinal metaplasia predicts the risk of gastric cancer: a prospective multicentre cohort study (GCEP). *Gut*. 2022;71(5):854-63. **IF 31.793**
- *Koh E, Hwang IY, Lee HL, De Sotro R, Lee JWJ, Lee YS, March JC, Chang MW. Engineering probiotics to inhibit *Clostridioides difficile* infection by dynamic regulation of intestinal metabolism. *Nature Communications*. 2022;13(1). **IF 17.694**
- *Walker RL, Vlamakis H, Lee JWJ, Besse LA, Xanthakis V, Vasani RS, Shaw SY, Xavier RJ. Population study of the gut microbiome: associations with diet, lifestyle, and cardiometabolic disease. *Genome Medicine*. 2021;13(1). **IF 15.266**
- *Lee JWJ, Plichta D, Hogstrom L, Borren NZ, Lau H, Gregory SM, Tan W, Khalili H, Clish C, Vlamakis H, Xavier RJ, Ananthakrishnan AN. Multi-omics reveal microbial determinants impacting responses to biologic therapies in inflammatory bowel disease. *Cell Host and Microbe*. 2021;29(8):1294-304.e4. **IF 31.316**
- Ng DZW, Low A, Tan AJH, Ong JH, Kwa WT, Lee JWJ, Chan ECY. Ex vivo metabolism kinetics of primary to secondary bile acids via a physiologically relevant human faecal microbiota model. *Chem Biol Interact*. 2024 Aug 25;399:111140. doi:10.1016/j.cbi.2024.111140. **IF 4.7**
- *Deng L, Tay H, Peng G, Lee JWJ, Tan KSW. Prevalence and molecular subtyping of *Blastocystis* in patients with *Clostridium difficile* infection, Singapore. *Parasites and Vectors*. 2021;14(1). **IF 4.053***Huang KK, Ramnarayanan K, Zhu F, Srivastava S, Xu C, Tan ALK, Lee M, Tay S, Das K, Xing M, Fatehullah A, Alkaff SMF, Lim TKH, Lee J, Ho KY, Rozen SG, Teh BT, Barker N, Chia CK, Khor C, Ooi CJ, Fock KM, So J, Lim WC, Ling KL, Ang TL, Wong A, Rao J, Rajnakova A, Lim LG, Yap WM, Teh M, Yeoh KG, Tan P. Genomic and Epigenomic Profiling of High-Risk Intestinal Metaplasia Reveals Molecular Determinants of Progression to Gastric Cancer. *Cancer Cell*. 2018;33(1):137-50.e5. **IF 38.585**
- *So JBY, Kapoor R, Zhu F, Koh C, Zhou L, Zou R, Tang YC, Goo PCK, Rha SY, Chung HC, Yoong J, Yap CT, Rao J, Chia CK, Tsao S, Shabbir A, Lee J, Lam KP, Hartman M, Yong WP, Too HP, Yeoh KG. Development and validation of a serum microRNA biomarker panel for detecting gastric cancer in a high-risk population. *Gut*. 2021;70(5):829-37. **IF 31.793**
- Muralidharan S, Lee JWJ, Lim YS, Muthiah M, Tan E, Demicioglu D, Shabbir A, Loo WM, Koo CS, Lee YM, Soon G, Wee A, Halisah N, Abbas S, Ji S, Triebel A, Burla B, Koh HWL, Chan YS, Lee MC, Ng HH, Wenk MR, Torta F, Dan YY. Serum lipidomic signatures in patients with varying histological severity of metabolic dysfunction associated steatotic liver disease. *Metabolism*. 2024 Nov 8;162:156063. doi: 10.1016/j.metabol.2024.156063. **IF 13.934**
- Tan EXX, Lee JWJ, Jumat NH, Chan WK, Treeprasertsuk S, Goh GBB, Fan JG, Song MJ, Charatchoenwithaya P, Duseja A, Imajo K, Nakajima A, Seki Y, Kasama K, Kakizaki S, Lesmana LA, Zheng KI, Zheng MH, Koh CJ, Ho KY, Goh KL, Wong VWS, Dan YY. Non-obese non-alcoholic fatty liver disease (NAFLD) in Asia: an international registry study. *Metabolism: Clinical and Experimental*. 2022;126. **IF13.934**
- Toh KY, Toh TS, Chua KP, Rajakumar P, Lee JWJ, Chong CW. Identification of age-associated microbial changes via long-read 16S sequencing. *Gut Pathog*. 2024 Oct 5;16(1):56. doi: 10.1186/s13099-024-00650-8. **IF4.6**
- Ichimasa K, Foppa C, Kudo SE, Misawa M, Takashina Y, Miyachi H, Ishida F, Nemoto T, Lee JWJ, Yeoh KG, Paoluzzi Tomada E, Maselli R, Repici A, Terracciano LM, Spaggiari P, Mori Y, Hassan C, Spinelli A; early CRC group. Artificial

AOCC 2026

IMKASID 2026

JUNE 25 (Thu.) - 27 (Sat.), 2026 | COEX, SEOUL, KOREA



Intelligence to Predict the Risk of Lymph Node Metastasis in T2 Colorectal Cancer. *Ann Surg.* 2024 Nov 1;280(5):850-857. doi: 10.1097/SLA.0000000000006469. **IF7.5**

- Quek SXZ, Lee JWJ, Feng Z, Soh MM, Tokano M, Guan YK, So JBY, Tada T, Koh CJ. Comparing artificial intelligence to humans for endoscopic diagnosis of gastric neoplasia: An external validation study. *J Gastroenterol Hepatol.* 2023 Jul 5. doi: 10.1111/jgh.16274. PMID: 37408330. **IF4.369**
 - Li JW, Wu CCH, Lee JWJ, Liang R, Soon GST, Wang LM, Koh XH, Koh CJ, Chew WD, Lin KW, Thian MY, Matthew R, Kim G, Khor CJL, Fock KM, Ang TL, So JBY; Artificial Intelligence in Gastrointestinal Endoscopy Singapore (AIGES) Study Group. Real-World Validation of a Computer-Aided Diagnosis System for Prediction of Polyp Histology in Colonoscopy: A Prospective Multicenter Study. *Am J Gastroenterol.* 2023 May 22. doi: 10.14309/ajg.0000000000002282. Epub ahead of print. PMID: 37040553. **IF12.045**
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