



## Leong Khai Pang

Senior Consultant, Department of Rheumatology, Allergy and Immunology, TTSH

Head, Personalised Medicine Service

Director, Special Projects (Centre Grant), CRIO

Research Interests:

- Rheumatoid Arthritis
- Personalised Medicine
- Quality of Life

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## Biography

Dr Leong Khai Pang started conducting research when the training for such activity was not widely available. He attended an ethics course in King's College in UK in 2003. Subsequently, he also completed projects involving statistics, psychometrics and bioinformatics, together with collaborators.

## Selected Publications

- Huang Z, Wang J, Xu X, Wang H, Qiao Y, Chu WC, Xu S, Chai L, Cottier F, Pavelka N, Oosting M, Joosten LAB, Netea M, Ng CYL, Leong KP, Kundu P, Lam KP, Pettersson S, Wang Y. Antibody neutralization of microbiota-derived circulating peptidoglycan dampens inflammation and ameliorates autoimmunity. *Nat Microbiol.* 2019; 4(5):766-773. doi: 10.1038/s41564-019-0381-1.
- Lim XR, Xiang W, Tan JWL, Koh LW, Lian TY, Leong KP, Koh ET; TTSH Rheumatoid Arthritis Study Group. Incidence and patterns of malignancies in a multi-ethnic cohort of rheumatoid arthritis patients. *Int J Rheum Dis.* 2019; 22(9):1679-1685.
- Wu D, Dou J, Chai X, Bellis C, Wilm A, Shih CC, Soon WWJ, Bertin N, Lin CB, Khor CC, DeGiorgio M, Cheng S, Bao L, Karnani N, Hwang WYK, Davila S, Tan P, Shabbir A, Moh A, Tan EK, Foo JN, Goh LL, Leong KP, Foo RSY, Lam CSP, Richards AM, Cheng CY, Aung T, Wong TY, Ng HH; SG10K Consortium, Liu J, Wang C. Large-scale whole-genome sequencing of three diverse Asian populations in Singapore. *Cell.* 2019; 179(3):736-749.
- Leong KP, Tan JWL, Gao X, Koh ET and the TTSH Rheumatoid Arthritis Study Group. Converting between the 28-joint count activity indices for rheumatoid arthritis. *Eur J Rheumatol.* 2020; 7(3):105-111. doi: 10.5152/eurjrheum.2020.19199.

## Notable Research Awards & Grants From Past 5 Years

Name of Awards & Grants	Year Obtained
National Medical Research Council (NMRC) Clinician Scientist Individual Research Grant for “Understanding rheumatoid arthritis through whole-exome sequencing and epigenetics”	2015
Ng Teng Fong Health Improvement Program grant for “Using molecular remission of rheumatoid arthritis to improve treatment”	2020
TTSH Community Fund for “Autoantibodies in COVID-19”	2020