

Curriculum Vitae

Yang Li Professor, Dr.
d.o.b. October the 4th, 1974, in Shiyan, China

University Education

2010 Doctorate Bioinformatics, University of Groningen, NL
1992–1999 Bachelor of Science/Master of Science, Hunan University, Changsha, China

Scientific Career

Since 2020 Deputy Topic Speaker for the Helmholtz Centre for Infection Research, Braunschweig, Germany.
Since 2019 W3 Professor at Hannover Medical School (MHH)
Director of Centre for Individualised Infection Medicine (CiiM), Hannover, Germany.
Head of Department Computational Biology for Individualised Medicine
2013 - 2019 Principal Investigator, Assistant Professor, Department of Genetics, University Medical Centre Groningen, University of Groningen, Groningen, The Netherlands
2010 - 2013 Postdoc, Groningen Bioinformatics Centre (GBiC), University of Groningen, Groningen, The Netherlands

Awards and Honors

2023 Clarivate Analytics choice of “Highly-cited researchers”
2020 ERC Starting grant
2019 Hypatia personal grant at the Radboudumc, The Netherlands
2018 Renowned Overseas Professors by Guangdong Pharmaceutical University
2016 Off-Road personal grant, The Netherlands Organisation for Health Research and Development
2014 Qingtian Award for Outstanding Chinese researcher in The Netherlands
2013 VENI personal grant, The Dutch Research Council
2011 Dutch Bioinformatics Young Investigator Award, Netherlands Bioinformatics Centre (One winner/year)
2008 Chinese Government Award for Outstanding Student Abroad (top-0.3%)

Citation Record

Total citations: 14.918; h-index: 46; h-index since 2018: 40 (Google Scholar December 11th, 2023)

Top-10 selected Publications

Zhang, B., Zhang, Z., Koeken, V.A.C.M., Kumar, S., Aillaud, M., Tsay, H.-C., Liu, Z., Kraft, A.R.M., Soon, C.F., Odak, I., Bošnjak, B., Vlot, A., Deutsche COVID-19 OMICS Initiative (DeCOI), Swertz, M.A., Ohler, U., Geffers, R., Illig, T., Huehn, J., Saliba, A.E., Sander, L.E., Förster, R., Xu, C.-J., Cornberg, M., Schulte, L.N., **Li, Y.*** Altered and allele-specific open chromatin landscape reveals epigenetic and genetic regulators of innate immunity in COVID-19. **Cell Genomics**, December 2, 2022. <https://doi.org/10.1016/j.xgen.2022.100232>

Qi, C., Berg, M., Chu, X., Van Den Berge, M., Xu, C., Koppelman, G., Nawijn, M., Li, Y. Cell type eQTL deconvolution of bronchial epithelium through integration of single cell and bulk RNA-seq. **Allergy** 77, 3663-3666 (2022). <https://doi.org/10.1111/all.15410>

Zhang, B., Roesner, L.M., Traidl, S., Koeken, V.A.C.M., Xu, C.-J., Werfel, T., **Li, Y.** Single-cell profiles reveal distinctive immune response in atopic dermatitis in contrast to psoriasis. **Allergy**, 00: 1- 15 (2022). <https://doi: 10.1111/all.15486>

Zhang, B., Moorlag, S., Domínguez-Andrés, J., Bulut, Ö., Kilic, G., Liu, Z., van Crevel, R., Xu, C.-J., Joosten, L.A.B., Netea, M.G.#, Li, Y.# Single-cell RNA sequencing reveals induction of distinct trained immunity programs in human monocytes. *J Clin Invest*, 132(7), e147719 (2022) <https://doi:10.1172/JCI147719>

Chu X., Jaeger M., Beumer J., Bakker O. B., Aguirre-Gamboa R., Oosting M., Smeekens S. P., Moorlag S., Mourits V. P., Koeken V. ACM, de Bree C., Jansen T., Mathews T., Dao K., Najhawan M., Watrous J. D., Joosten I., Sharma S., Koenen H., Withoff S., Jonkers I. H., Netea-Maier R. T., Xavier R., Franke L., Xu C.-J., Joosten L., Sanna S., Jain M., Kumar V., Clevers H., Wijmenga C., Netea M. G., Li Y. Integration of metabolomics, genomics, and immune phenotypes reveals the causal roles of metabolites in disease. *Genome Biology* 22/198, (2021). <https://doi.org/10.1186/s13059-021-02413-z>

Schulte-Schrepping J.*, Reusch N.*, Paclik D.*, Baßle, K*, Schlickeiser S.*, Zhang B.*, Kräme B.*, Krammer T.*, Brumhard S.*, Bonaguro L.*, De Domenico E.*, Wendisch D.*, Grasshof, M., Kapellos T. S., Beckstette M., Pecht T., Saglam A., Dietrich O., Me, H. E., Schul, A. R., Conrad C., Kunkel D., Vafadarnejad E., Xu C.-J., Horne A., Herbert M., Drews A., Thibeault C., Pfeiffer M., Hippenstiel S., Hocke A., Müller-Redetzky H., Heim, K.-M., Machleidt F., Uhrig A., Bosquillon de Jarcy L., Jürgens L., Stegemann M., Glösenkamp C. R., Volk H.-D., Goffinet C., Landthaler M., Wyler Georg P., Schneider M., Dang-Heine C., Neuwinger N., Kappert K., Taubert R., Corman V., Raabe J., Kaiser K. M., Vinh M. T., Riek, G., Meisel C., Ulas, T., Becker M., Geffers R., Witzentrath M., Drosten C., Suttor, N., von Kalle C., Kurth F., Händler K., Schultze J. L.#, Aschenbrenner A. C.#, Li Y.#, Nattermann J.#, Sawitzki B.#, Saliba A.-E.#, Sander L. E.#, Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. *Cell* 182 (6), 1419-1440.e23 (2020). doi.org/10.1016/j.cell.2020.08.001

Bakker O.B., Aguirre-Gamboa R., Sanna S., Oosting M., Smeekens S.P., Jaeger M., Zorro M., Vösa U., Withoff S., Netea-Maier R.T., Koenen H.J.P.M., Joosten I., Xavier R.J., Franke L., Joosten L.A.B., Kumar V., Wijmenga C., Netea M.G. & Li Y. Integration of multi-omics data and deep phenotyping enables prediction of cytokine responses. *Nature Immunology* 2018(19): 776–786. doi.org/10.1038/s41590-018-0121-3

Li Y.#, Oosting M, Deelen P., Ricaño-Ponce I., Smeekens S., Jaeger M., Matzaraki V., Swertz M.A., Xavier R.J., Franke L., Wijmenga C., Joosten L.A.B.#, Kumar V.# & Netea MG#. Inter-individual variability and genetic influences on cytokine responses to bacteria and fungi. *Nat Med* 2016(22): 952–960. doi.org/10.1038/nm.4139

Aguirre-Gamboa R., Joosten I., Urbano P.C.M., Molen R.G., van der Rijssen E., van Cranenbroek B., van Oosting M., Smeekens S., Jaeger M., Zorro M., Withoff S., van Herwaarden A.E., Sweep F.C.G.J., Netea R. T., Swertz M.A., Franke L, Xavier R J, Joosten LAB, Netea M G, Wijmenga C, Kumar V, Li Y.# & Koenen HJPM Differential Effects of Environmental and Genetic Factors on T and B Cell Immune Traits. *Cell Reports* 2016(17): 2474–2487. doi.org/10.1016/j.celrep.2016.10.053

Li Y., Oosting M., Smeekens S.P., Jaeger M., Aguirre-Gamboa R., Le K.T., Deelen P., Ricaño-Ponce I., Schoffelen T., Jansen A.F.M., Swertz M.A., Withoff S., van de Vosse E., van Deuren M., van de Veerdonk F., Zhernakova A., van der Meer J.W.M., Xavier R.J., Franke L., Joosten L.A.B., Wijmenga C., Kumar V. & Netea M.G. A Functional Genomics Approach to Understand Variation in Cytokine Production in Humans. *Cell* 2016(167): 1099-1110.e14. doi.org/10.1016/j.cell.2016.10.017