

Stanford



Avery Lam

Postdoctoral Scholar, Pathology

Bio

HONORS AND AWARDS

- Fellowship, Canadian Institutes of Health Research (CIHR) (2022)
- Canada Graduate Scholarships – Doctoral Award (CGS D), Canadian Institutes of Health Research (CIHR) (2017)
- Canada Graduate Scholarships – Master's Award (CGS M), Canadian Institutes of Health Research (CIHR) (2015)

PROFESSIONAL EDUCATION

- PhD, University of British Columbia , Experimental Medicine (Immunology) (2021)
- BArts Sc, McMaster University , Arts & Science and Biochemistry (2015)

STANFORD ADVISORS

- Sean Bendall, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Multi-Omic and Functional Characterization of Bone Marrow Regulatory T cells for Enhanced GVHD Prevention**
Diarra, J., Bader, C. S., Ho, D., Lam, A., Bruce, T., Jensen, K. P., Meyer, E. H., Bendall, S.
ELSEVIER SCIENCE INC.2026
- **Fate mapping of human T cell subsets during expansion for T cell therapy**
Lam, A. J.
OXFORD UNIV PRESS.2025
- **Quantification of intrinsic regulatory factors refines human hematopoietic progenitor definitions and reveals early erythroid lineage priming.** *Cell reports*
Favaro, P., Glass, D. R., Borges, L., Baskar, R., Lam, A., Reynolds, W., Ho, D., Bruce, T., Tebaykin, D., Koehnke, T., Scanlon, V. M., Shestopalov, I., Bendall, et al
2025; 44 (7): 115913
- **Armored human CAR Treg cells with PD1 promoter-driven IL-10 have enhanced suppressive function.** *Science advances*
Boardman, D. A., Mangat, S., Gillies, J. K., Leon, L., Fung, V. C., Haque, M., Mojibian, M., Halvorson, T., Huang, Q., Tuomela, K., Wardell, C. M., Brown, A., Lam, et al
2025; 11 (24): eadx7845
- **A Germline Heterozygous Dominant Negative IKZF2 Variant Causing Syndromic Primary Immune Regulatory Disorder and ICHAD.** *Journal of clinical immunology*
Lu, H. Y., Vaseghi-Shanjani, M., Lam, A. J., Sharma, M., Mohajeri, A., Silva, L. B., Gillies, J., Yang, G. X., Lin, S., Fu, M. P., Salman, A., Rahmanian, R., Armstrong, et al

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- **Modelling Graft-Versus-Host Disease in Mice Using Human Peripheral Blood Mononuclear Cells.** *Bio-protocol*
Haque, M., Boardman, D. A., Lam, A. J., MacDonald, K. N., Sanderink, L., Huang, Q., Fung, V. C., Ivison, S., Mojibian, M., Levings, M. K.
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- **PHLPP Signaling in Immune Cells.** *Current topics in microbiology and immunology*
Lordén, G., Lam, A. J., Levings, M. K., Newton, A. C.
2022; 436: 117-143
- **PTEN is required for human Treg suppression of costimulation in vitro.** *European journal of immunology*
Lam, A. J., Haque, M., Ward-Hartstonge, K. A., Uday, P., Wardell, C. M., Gillies, J. K., Speck, M., Mojibian, M., Klein Geltink, R. I., Levings, M. K.
2022
- **Suppression of Human Dendritic Cells by Regulatory T Cells** *BIO-PROTOCOL*
Huang, Q., Lam, A. J., Boardman, D. A., Dawson, N. A. J., Levings, M. K.
2021; 11 (21)
- **Optimized CRISPR-mediated gene knockin reveals FOXP3-independent maintenance of human Treg identity.** *Cell reports*
Lam, A. J., Lin, D. T., Gillies, J. K., Uday, P., Pesenacker, A. M., Kobor, M. S., Levings, M. K.
2021; 36 (5): 109494
- **Helios is a marker, not a driver, of human Treg stability.** *European journal of immunology*
Lam, A. J., Uday, P., Gillies, J. K., Levings, M. K.
2021
- **Innate Control of Tissue-Reparative Human Regulatory T Cells.** *Journal of immunology (Baltimore, Md. : 1950)*
Lam, A. J., MacDonald, K. N., Pesenacker, A. M., Juvet, S. C., Morishita, K. A., Bressler, B., Pan, J. G., Sidhu, S. S., Rioux, J. D., Levings, M. K.
2019; 202 (8): 2195-2209
- **Characterization of regulatory T cells in obese omental adipose tissue in humans.** *European journal of immunology*
Wu, D., Han, J. M., Yu, X., Lam, A. J., Hoeppli, R. E., Pesenacker, A. M., Huang, Q., Chen, V., Speake, C., Yorke, E., Nguyen, N., Sampath, S., Harris, et al
2019; 49 (2): 336-347
- **An optimized method to measure human FOXP3+ regulatory T cells from multiple tissue types using mass cytometry.** *European journal of immunology*
Dawson, N. A., Lam, A. J., Cook, L., Hoeppli, R. E., Broady, R., Pesenacker, A. M., Levings, M. K.
2018; 48 (8): 1415-1419
- **Human Regulatory T Cell Potential for Tissue Repair Via IL-33/ST2 and Amphiregulin**
Lam, A. J., Huang, H., Pan, J. G., Sidhu, S. S., Charron, G., Ivison, S. M., Rioux, J. D., Levings, M. K., IGenoMed Consortium
LIPPINCOTT WILLIAMS & WILKINS.2018: S331
- **Harnessing Advances in T Regulatory Cell Biology for Cellular Therapy in Transplantation.** *Transplantation*
Lam, A. J., Hoeppli, R. E., Levings, M. K.
2017; 101 (10): 2277-2287
- **Janus and PI3-kinases mediate glucocorticoid resistance in activated chronic leukemia cells.** *Oncotarget*
Oppermann, S., Lam, A. J., Tung, S., Shi, Y., McCaw, L., Wang, G., Ylanko, J., Leber, B., Andrews, D., Spaner, D. E.
2016; 7 (45): 72608-72621