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

- **Cell Cycle Sensing Shapes Human T Cell Fate and Exhaustion Programs.** *bioRxiv : the preprint server for biology*
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- **Multi-Omic and Functional Characterization of Bone Marrow Regulatory T cells for Enhanced GVHD Prevention**
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  ELSEVIER SCIENCE INC.2026
- **Fate mapping of human T cell subsets during expansion for T cell therapy**
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- **Quantification of intrinsic regulatory factors refines human hematopoietic progenitor definitions and reveals early erythroid lineage priming.** *Cell reports*
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- **Armored human CAR Treg cells with PD1 promoter-driven IL-10 have enhanced suppressive function.** *Science advances*
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- **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*
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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.
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- **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.
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- **Innate Control of Tissue-Reparative Human Regulatory T Cells.** *Journal of immunology (Baltimore, Md. : 1950)*
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- **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
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- **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
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- **Harnessing Advances in T Regulatory Cell Biology for Cellular Therapy in Transplantation.** *Transplantation*
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- **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.
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