Stanford

Trang Le

Ph.D. Student in Bioengineering, admitted Spring 2022

Bio

BIO

My PhD mainly focuses on modelling and analyzing spatial patterns of proteins in fluorescent images from a single cell perspective. Furthermore, I build web-based tools for annotation and interactive model training on biomedical images.

Publications

PUBLICATIONS

- **Segmenting functional tissue units across human organs using community-driven development of generalizable machine learning algorithms.** *Nature communications*
  Jain, Y., Godwin, L. L., Joshi, S., Mandarapu, S., Le, T., Lindskog, C., Lundberg, E., Börner, K.
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- **Analysis of the Human Protein Atlas Weakly Supervised Single-Cell Classification competition.** *Nature methods*
  Le, T., Winsnes, C. F., Axelsson, U., Xu, H., Mohanakrishnan Kaimal, J., Mahdessian, D., Dai, S., Makarov, I. S., Ostankovich, V., Xu, Y., Benhamou, E., Henkel, C., Solovyev, et al
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- **Spatiotemporal dissection of the cell cycle with single-cell proteogenomics.** *Nature*
  Mahdessian, D., Cesnik, A. J., Gnann, C., Danielsson, F., Stenstrom, L., Arif, M., Zhang, C., Le, T., Johansson, F., Shutten, R., Backstrom, A., Axelsson, U., Thul, et al
  2021; 590 (7847): 649–54

- **Individual variations in cardiovascular-disease-related protein levels are driven by genetics and gut microbiome** *NATURE GENETICS*
  Zhernakova, D., Le, T. H., Kurilshikov, A., Atanasovska, B., Bonder, M., Sanna, S., Claringbould, A., Vosa, U., Deelen, P., Studys, L., Bios, C., Franke, L., de Boer, et al
  2018; 50 (11): 1524-+