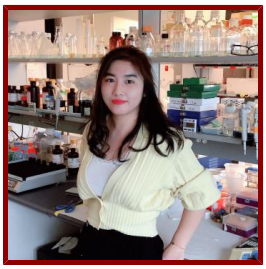
Stanford



An Ni Zhang

Postdoctoral Scholar, Stanford Cancer Institute

Bio

BIO

Anni obtained her Ph.D. in Dr. James Johnson and Dr. Janel Kopp's labs at the University of British Columbia. Her Ph.D. work showed that hyperinsulinemia contributes to pancreatic cancer development. Her work also showed that insulin directly acted via the insulin receptors in pancreatic acinar cells to increase digestive enzyme production, thereby generating an inflammatory condition that accelerates neoplastic transformation. She is now working at Diehn lab to investigate the mechanisms of KEAP1 mutation-induced immunotherapy resistance in lung cancer.

HONORS AND AWARDS

- President’s Academic Excellence Initiative PhD Award, University of British Columbia (2020-2022)
- CIHR Doctoral Research Award, Canadian Institutes of Health Research (2019-2022)
- Four Year Fellowships Tuition Award, University of British Columbia (2018-2022)
- Annie and John Brown Fellowship in Diabetes and Obesity Related Research, University of British Columbia (2017-2018)
- Faculty of Science Graduate Award, University of British Columbia (2016-2018)
- CIHR Canada Graduate Scholarship Maser’s Award, Canadian Institutes of Health Research (2016-2017)
- Genome Science & Technology (GSAT) Summer Scholarships, University of British Columbia (2015)
- Dean’s Honour List, University of British Columbia (2013-2014)
- Chancellor's Scholar, University of British Columbia (2013)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of British Columbia (2022)
- Bachelor of Science, University of British Columbia (2016)
- Ph.D., The University of British Columbia , Genome Science of Technology (2022)
- B.Sc., The University of British Columbia , Biochemistry (2016)

STANFORD ADVISORS

- Maximilian Diehn, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Maximilian Diehn, Diehn (9/1/2022)

Publications

PUBLICATIONS

- **Effects of hyperinsulinemia on pancreatic cancer development and the immune microenvironment revealed through single-cell transcriptomics.** *Cancer & metabolism*
  Zhang, A. M., Chu, K. H., Daly, B. F., Ruiter, T., Dou, Y., Yang, J. C., de Winter, T. J., Chhuor, J., Wang, S., Flibotte, S., Zhao, Y. B., Hu, X., Li, et al
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- **Breast Cancer Endocrine Therapy Promotes Weight Gain With Distinct Adipose Tissue Effects in Lean and Obese Female Mice.** *Endocrinology*
  Scalzo, R. L., Foright, R. M., Hull, S. E., Knaub, L. A., Johnson-Murguia, S., Kinanee, F., Kaplan, J., Houck, J. A., Johnson, G., Sharp, R. R., Gillen, A. E., Jones, K. L., Zhang, et al
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- **Hyperinsulinemia in Obesity, Inflammation, and Cancer.** *Diabetes & metabolism journal*
  Zhang, A. M., Wellberg, E. A., Kopp, J. L., Johnson, J. D.
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- **PRDM3 attenuates pancreatitis and pancreatic tumorigenesis by regulating inflammatory response.** *Cell death & disease*
  Ye, J., Huang, A., Wang, H., Zhang, A. M., Huang, X., Lan, Q., Sato, T., Goyama, S., Kurokawa, M., Deng, C., Sander, M., Schaeffer, D. F., Li, et al
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  Zhang, A. M., Magrill, J., de Winter, T. J., Hu, X., Skovsø, S., Schaeffer, D. F., Kopp, J. L., Johnson, J. D.
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- **Selective defects in gene expression control genome instability in yeast splicing mutants.** *Molecular biology of the cell*
  Tam, A. S., Sihota, T. S., Milbury, K. L., Zhang, A., Mathew, V., Stirling, P. C.
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- **CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours.** *Nature communications*
  Xu, H., Di Antonio, M., McKinney, S., Mathew, V., Ho, B., O'Neil, N. J., Santos, N. D., Silvester, J., Wei, V., Garcia, J., Kabeer, F., Lai, D., Soriano, et al
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