Stanford

Peter Du

Ph.D. Student in Cancer Biology, admitted Summer 2020

Publications

PUBLICATIONS

- **In vivo CRISPR screens reveal the landscape of immune evasion pathways across cancer.** *Nature immunology*
  Dubrot, J., Du, P. P., Lane-Reticker, S. K., Kessler, E. A., Muscato, A. J., Mehta, A., Freeman, S. S., Allen, P. M., Olander, K. E., Ockerman, K. M., Wolfe, C. H., Wiesmann, F., Knudsen, et al
  2022

- **Inflammatory cytokines induce new cancer dependencies.** *Nature genetics*
  Cheruiyot, C. K., Kim, S. Y., Dubrot, J., Lane-Reticker, S. K., Miranda, A., Kammula, A. V., Perera, J. J., Du, P. P., Chuong, C. L., Fetterman, R. A., Knudsen, N. H., Jiang, A., Suermondt, et al
  2026

- **Reduced Cas9 transgene silencing by incorporation of intron sequences.** *Nature communications*
  Arana, S., Du, P. P., Vaughan-Jackson, A., Enright, N., Spees, K., Valbuena, R., Garcia, C. A., Nguyen, T., Venida, A., Seczynska, M., Bintu, L., Lehner, P. J., Prolo, et al
  2025; 16 (1): 10656

- **Macropinocytosis as a novel target for pediatric high grade glioma therapy**
  Nguyen, T., Spees, K., Garcia, C., Arana, S., Du, P., Levin-Konigsberg, R., Vaughan-Jackson, A., Nettnin, E., Bassik, M., Prolo, L.
  OXFORD UNIV PRESS INC.2025: v179-v180

- **Temporal Genomic Analysis of Homogeneous Tumor Models Reveals Key Regulators of Immune Evasion in Melanoma.** *Cancer discovery*
  Cohen Shvefel, S., Pai, J. A., Cao, Y., Pal, L. R., Bartok, O., Levy, R., Zemanek, M. J., Weller, C., Herzog, E., Yao, W., Hiam-Galvez, K. J., Cheng, K., Yin, et al
  2025: OF1-OF25

- **Temporal genomic analysis of homogeneous tumor models reveals key regulators of immune evasion in melanoma.** *Cancer discovery*
  Cohen Shvefel, S., Pai, J. A., Cao, Y., Pal, L. R., Bartok, O., Levy, R., Zemanek, M. J., Weller, C., Herzog, E., Yao, W., Hiam-Galvez, K. J., Cheng, K., Yin, et al
  2024

- **Targeting the aminopeptidase ERAP enhances antitumor immunity by disrupting the NKG2A-HLA-E inhibitory checkpoint.** *Immunity*
  Tsao, H. W., Anderson, S., Finn, K. J., Perera, J. J., Pass, L. F., Schneider, E. M., Jiang, A., Fetterman, R., Chuong, C. L., Kozuma, K., Stickler, M. M., Creixell, M., Klaeger, et al
  2024

- **Development of compact transcriptional effectors using high-throughput measurements in diverse contexts.** *Nature biotechnology*
  Tycko, J., Van, M. V., , DelRosso, N., Ye, H., Yao, D., Valbuena, R., Vaughan-Jackson, A., Xu, X., Ludwig, C., Spees, K., Liu, K., Gu, M., et al
  2024

- **Deciphering the impact of genomic variation on function.** *Nature*
  2024; 633 (8028): 47-57

- **Temporal genomic analysis of melanoma rejection identifies regulators of tumor immune evasion.** *bioRxiv : the preprint server for biology*
  Cohen Shvefel, S., Pai, J. A., Cao, Y., Pal, L. R., Levy, R., Yao, W., Cheng, K., Zemanek, M., Bartok, O., Weller, C., Yin, Y., Du, P. P., Yakubovich, et al
  2023

- **Glioma synapses recruit mechanisms of adaptive plasticity.** *Nature*
  Taylor, K. R., Barron, T., Hui, A., Spitzer, A., Yalcin, B., Ivec, A. E., Geraghty, A. C., Hartmann, G. G., Arzt, M., Gillespie, S. M., Kim, Y. S., Maleki Jahan, S., Zhang, et al
  2023

- **Targeting TBK1 to overcome resistance to cancer immunotherapy.** *Nature*
  Sun, Y., Revach, O. Y., Anderson, S., Kessler, E. A., Wolfe, C. H., Jenney, A., Mills, C. E., Robitschek, E. J., Davis, T. G., Kim, S., Fu, A., Ma, X., Gwee, et al
  2023; 615 (7950): 158-167

- **GLIOMA SYNAPSES RECRUIT MECHANISMS OF ADAPTIVE PLASTICITY**
  Taylor, K., Barron, T., Zhang, H., Hui, A., Hartmann, G., Ni, L., Venkatesh, H., Du, P., Mancusi, R., Yalcin, B., Chau, I., Ponnuswami, A., Aziz-Bose, et al
  OXFORD UNIV PRESS INC.2022: 25

- **Systematic discovery of recombinases for efficient integration of large DNA sequences into the human genome.** *Nature biotechnology*
  Durrant, M. G., Fanton, A., Tycko, J., Hinks, M., Chandrasekaran, S. S., Perry, N. T., Schaepe, J., Du, P. P., Lotfy, P., Bassik, M. C., Bintu, L., Bhatt, A. S., Hsu, et al
  2022

- **Pathogenic or benign?** *Nature biotechnology*
  Du, P. P., Liu, K., Bassik, M. C., Hess, G. T.
  2022

- **Checkpoint blockade-induced CD8+T cell differentiation in head and neck cancer responders** *JOURNAL FOR IMMUNOTHERAPY OF CANCER*
  Zhou, L., Zeng, Z., Egloff, A., Zhang, F., Guo, F., Campbell, K. M., Du, P., Fu, J., Zolkind, P., Ma, X., Zhang, Z., Zhang, Y., Wang, et al
  2022; 10 (1)

- **Epigenetic silencing by SETDB1 suppresses tumour intrinsic immunogenicity** *NATURE*
  Griffin, G. K., Wu, J., Iracheta-Vellve, A., Patti, J. C., Hsu, J., Davis, T., Dele-Oni, D., Du, P. P., Halawi, A. G., Ishizuka, J. J., Kim, S. Y., Klaeger, S., Knudsen, et al
  2021; 595 (7866): 309-+

- **In vivo screens using a selective CRISPR antigen removal lentiviral vector system reveal immune dependencies in renal cell carcinoma** *IMMUNITY*
  Dubrot, J., Lane-Reticker, S., Kessler, E. A., Ayer, A., Mishra, G., Wolfe, C. H., Zimmer, M. D., Du, P. P., Mahapatra, A., Ockerman, K. M., Davis, T. G. R., Kohnle, I. C., Pope, et al
  2021; 54 (3): 571-+

- **Loss of ADAR1 in tumours overcomes resistance to immune checkpoint blockade.** *Nature*
  Ishizuka, J. J., Manguso, R. T., Cheruiyot, C. K., Bi, K. n., Panda, A. n., Iracheta-Vellve, A. n., Miller, B. C., Du, P. P., Yates, K. B., Dubrot, J. n., Buchumenski, I. n., Comstock, D. E., Brown, et al
  2019; 565 (7737): 43–48