

Stanford



Benjamin A. H. Smith (Benjie)

- Affiliate, Dean's Office Operations - Dean Other
- Resident in Surgery - General Surgery

Publications

PUBLICATIONS

- **MYC-driven synthesis of Siglec ligands is a glycoimmune checkpoint.** *Proceedings of the National Academy of Sciences of the United States of America*
Smith, B. A., Deutzmann, A., Correa, K. M., Delaveris, C. S., Dhanasekaran, R., Dove, C. G., Sullivan, D. K., Wisnovsky, S., Stark, J. C., Pluvine, J. V., Swaminathan, S., Riley, N. M., Rajan, et al
2023; 120 (11): e2215376120
- **The clinical impact of glycobiology: targeting selectins, Siglecs and mammalian glycans.** *Nature reviews. Drug discovery*
Smith, B. A., Bertozzi, C. R.
2021
- **Beta-2 adrenergic receptor agonism alters astrocyte phagocytic activity and has potential applications to psychiatric disease.** *Discover mental health*
Bowen, E. R., DiGiacomo, P., Fraser, H. P., Guttenplan, K., Smith, B. A., Heberling, M. L., Vidano, L., Shah, N., Shamloo, M., Wilson, J. L., Grimes, K. V.
2023; 3 (1): 27
- **Lineage plasticity dictates responsiveness to anti-GD2 therapy in neuroblastoma.**
Mabe, N. W., Huang, M., Schaefer, D. A., Dalton, G. N., Digiovanni, G., Alexe, G., Geraghty, A. C., Khalid, D., Mader, M. M., Sheffer, M., Linde, M. H., Ly, N., Rotiroti, et al
AMER ASSOC CANCER RESEARCH.2022
- **Lineage plasticity dictates responsiveness to anti-GD2 therapy in neuroblastoma.**
Mabe, N. W., Huang, M., Schaefer, D. A., Dalton, G. N., Digiovanni, G., Alexe, G., Geraghty, A. C., Khalid, D., Mader, M. M., Sheffer, M., Linde, M. H., Ly, N., Rotiroti, et al
AMER ASSOC CANCER RESEARCH.2022: 3
- **Transition to a mesenchymal state in neuroblastoma confers resistance to anti-GD2 antibody via reduced expression of ST8SIA1.** *Nature cancer*
Mabe, N. W., Huang, M., Dalton, G. N., Alexe, G., Schaefer, D. A., Geraghty, A. C., Robichaud, A. L., Conway, A. S., Khalid, D., Mader, M. M., Belk, J. A., Ross, K. N., Sheffer, et al
2022
- **Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.** *Nature medicine*
Theruvath, J., Menard, M., Smith, B. A., Linde, M. H., Coles, G. L., Dalton, G. N., Wu, W., Kiru, L., Delaidelli, A., Sotillo, E., Silberstein, J. L., Geraghty, A. C., Banuelos, et al
1800
- **Small RNAs are modified with N-glycans and displayed on the surface of living cells.** *Cell*
Flynn, R. A., Pedram, K., Malaker, S. A., Batista, P. J., Smith, B. A., Johnson, A. G., George, B. M., Majzoub, K., Villalta, P. W., Carette, J. E., Bertozzi, C. R.
2021
- **Genome-wide CRISPR screens reveal a specific ligand for the glycan-binding immune checkpoint receptor Siglec-7.** *Proceedings of the National Academy of Sciences of the United States of America*
Wisnovsky, S., Mockl, L., Malaker, S. A., Pedram, K., Hess, G. T., Riley, N. M., Gray, M. A., Smith, B. A., Bassik, M. C., Moerner, W. E., Bertozzi, C. R.
2021; 118 (5)

- **GD2 is a macrophage checkpoint molecule and combined GD2/CD47 blockade results in synergistic effects and tumor clearance in xenograft models of neuroblastoma and osteosarcoma**

Theruvath, J., Smith, B., Linde, M. H., Sotillo, E., Heitzeneder, S., Marjon, K., Tousley, A., Lattin, J., Banuelos, A., Dhingra, S., Murty, S., Mackall, C. L., Majzner, et al

AMER ASSOC CANCER RESEARCH.2020: 35

- **CRISPR-Cas9 screens identify regulators of antibody-drug conjugate toxicity.** *Nature chemical biology*

Tsui, C. K., Barfield, R. M., Fischer, C. R., Morgens, D. W., Li, A., Smith, B. A., Gray, M. A., Bertozzi, C. R., Rabuka, D., Bassik, M. C.
2019

- **CD22 blockade restores homeostatic microglial phagocytosis in ageing brains** *NATURE*

Pluvinage, J. V., Haney, M. S., Smith, B. H., Sun, J., Iram, T., Bonanno, L., Li, L., Lee, D. P., Morgens, D. W., Yang, A. C., Shuken, S. R., Gate, D., Scott, et al
2019; 568 (7751): 187-+

- **MicroRNA-155-deficient dendritic cells cause less severe GVHD through reduced migration and defective inflammasome activation.** *Blood*

Chen, S., Smith, B. A., Iype, J., Prestipino, A., Pfeifer, D., Grundmann, S., Schmitt-Graeff, A., Idzko, M., Beck, Y., Prinz, G., Finke, J., Duyster, J., Zeiser, et al
2015; 126 (1): 103-12

- **Therapeutic activity of multiple common ?-chain cytokine inhibition in acute and chronic GVHD.** *Blood*

Hechinger, A., Smith, B. A., Flynn, R., Hanke, K., McDonald-Hyman, C., Taylor, P. A., Pfeifer, D., Hackanson, B., Leonhardt, F., Prinz, G., Dierbach, H., Schmitt-Graeff, A., Kovarik, et al
2015; 125 (3): 570-580

- **Impact of mammalian target of rapamycin inhibition on lymphoid homing and tolerogenic function of nanoparticle-labeled dendritic cells following allogeneic hematopoietic cell transplantation** *JOURNAL OF IMMUNOLOGY*

Reichardt, W., Duerr, C., von Elverfeldt, D., Juettner, E., Gerlach, U. V., Yamada, M., Smith, B., Negrin, R. S., Zeiser, R.
2008; 181 (7): 4770-4779