



Benjamin A. H. Smith (Benjie)

- Affiliate, Department Funds
- Resident in Rad/Interventional Radiology

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., Pluinage, J. V., Swaminathan, S., Riley, N. M., Rajan, et al
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- **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
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- **Transition to a mesenchymal state in neuroblastoma confers resistance to anti-GD2 antibody via reduced expression of ST8SIA1.** *Nature cancer*
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- **Anti-GD2 synergizes with CD47 blockade to mediate tumor eradication.** *Nature medicine*
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- **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
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- **CRISPR-Cas9 screens identify regulators of antibody-drug conjugate toxicity.** *Nature chemical biology*
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- **MicroRNA-155-deficient dendritic cells cause less severe GVHD through reduced migration and defective inflammasome activation.** *Blood*
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2015; 126 (1): 103-12
- **Therapeutic activity of multiple common γ -chain cytokine inhibition in acute and chronic GVHD.** *Blood*
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2015; 125 (3): 570-580
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