

Stanford



Alexander Isaac Salter

- Affiliate, Department Funds
- Fellow in Graduate Medical Education

Bio

CLINICAL FOCUS

- Fellow

Publications

PUBLICATIONS

- **Novel immunotherapy combinations in neoadjuvant non-small cell lung cancer (NSCLC): a better chance at cure?** *Translational lung cancer research*
Salter, A. I., Das, M.
2024; 13 (3): 673-677
- **Synthetic receptors for logic gated T cell recognition and function** *CURRENT OPINION IN IMMUNOLOGY*
Simon, S., Bugos, G., Salter, A., Riddell, S. R.
2022; 74: 1-9
- **Comparative analysis of TCR and CAR signaling informs CAR designs with superior antigen sensitivity and in vivo function** *SCIENCE SIGNALING*
Salter, A., Rajan, A., Kennedy, J. J., Ivey, R. G., Shelby, S. A., Leung, I., Templeton, M. L., Muhunthan, V., Voillet, V., Sommermeyer, D., Whiteaker, J. R., Gottardo, R., Veatch, et al
2021; 14 (697)
- **Designed protein logic to target cells with precise combinations of surface antigens** *SCIENCE*
Lajoie, M. J., Boyken, S. E., Salter, A., Bruffey, J., Rajan, A., Langan, R. A., Olshefsky, A., Muhunthan, V., Bick, M. J., Gewe, M., Quijano-Rubio, A., Johnson, J., Lenz, et al
2020; 369 (6511): 1637+
- **Visualization of human T lymphocyte-mediated eradication of cancer cells in vivo** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
He, X., Yin, X., Wu, J., Wickstrom, S. L., Duo, Y., Du, Q., Qin, S., Yao, S., Jing, X., Hosaka, K., Wu, J., Jensen, L. D., Lundqvist, et al
2020; 117 (37): 22910-22919
- **Multispecific Targeting with Synthetic Ankyrin Repeat Motif Chimeric Antigen Receptors** *CLINICAL CANCER RESEARCH*
Balakrishnan, A., Rajan, A., Salter, A. I., Kosasih, P. L., Wu, Q., Voutsinas, J., Jensen, M. C., Pluckthun, A., Riddell, S. R.
2019; 25 (24): 7506-7516
- **#-Secretase inhibition increases efficacy of BCMA-specific chimeric antigen receptor T cells in multiple myeloma** *BLOOD*
Pont, M. J., Hill, T., Cole, G. O., Abbott, J. J., Kelliher, J., Salter, A. I., Hudecek, M., Comstock, M. L., Rajan, A., Patel, B. R., Voutsinas, J. M., Wu, Q., Liu, et al
2019; 134 (19): 1585-1597
- **Tinkering in the garage - tuning CARs for safety** *NATURE REVIEWS CLINICAL ONCOLOGY*
Salter, A. I., Riddell, S. R.
2019; 16 (9): 530-532

- **Logic-Gated ROR1 Chimeric Antigen Receptor Expression Rescues T Cell-Mediated Toxicity to Normal Tissues and Enables Selective Tumor Targeting** *CANCER CELL*
Srivastava, S., Salter, A., Liggitt, D., Yechan-Gunja, S., Sarvothama, M., Cooper, K., Smythe, K. S., Dudakov, J. A., Pierce, R. H., Rader, C., Ridde, S. R.
2019; 35 (3): 489-+
- **Phosphoproteomic analysis of chimeric antigen receptor signaling reveals kinetic and quantitative differences that affect cell function** *SCIENCE SIGNALING*
Salter, A. I., Ivey, R. G., Kennedy, J. J., Voillet, V., Rajan, A., Alderman, E. J., Voytovich, U. J., Lin, C., Sommermeyer, D., Liu, L., Whiteaker, J. R., Gottardo, R., Paulovich, et al
2018; 11 (544)
- **Chimeric antigen receptor-modified T cells: CD19 and the road beyond** *BLOOD*
Salter, A. I., Pont, M. J., Riddell, S. R.
2018; 131 (24): 2621-2629
- **<i>Ptpn11</i> Deletion in cD4⁺ cells Does not affect T cell Development and Functions but causes cartilage Tumors in a T cell-independent Manner** *FRONTIERS IN IMMUNOLOGY*
Miah, S., Jayasuriya, C. T., Salter, A. I., Reilly, E. C., Fugere, C., Yang, W., Chen, Q., Brossay, L.
2017; 8: 1326
- **Fully human CD19-specific chimeric antigen receptors for T-cell therapy** *LEUKEMIA*
Sommermeyer, D., Hill, T., Shamah, S. M., Salter, A. I., Chen, Y., Mohler, K. M., Riddell, S. R.
2017; 31 (10): 2191-2199
- **A BiTE from cancer's intracellular menu** *NATURE BIOTECHNOLOGY*
Salter, A. I., Riddell, S. R.
2015; 33 (10): 1040-1041
- **Role of SHIP1 in Invariant NKT Cell Development and Functions** *JOURNAL OF IMMUNOLOGY*
Anderson, C. K., Salter, A. I., Toussaint, L. E., Reilly, E. C., Fugere, C., Srivastava, N., Kerr, W. G., Brossay, L.
2015; 195 (5): 2149-2156
- **Genome Sequencing of Idiopathic Pulmonary Fibrosis in Conjunction with a Medical School Human Anatomy Course** *PLOS ONE*
Kumar, A., Dougherty, M., Findlay, G. M., Geisheker, M., Klein, J., Lazar, J., Machkovech, H., Resnick, J., Resnick, R., Salter, A. I., Talebi-Liasi, F., Arakawa, C., Baudin, et al
2014; 9 (9)
- **Adoptive Therapy With Chimeric Antigen Receptor-Modified T Cells of Defined Subset Composition** *CANCER JOURNAL*
Riddell, S. R., Sommermeyer, D., Berger, C., Liu, L., Balakrishnan, A., Salter, A., Hudecek, M., Maloney, D. G., Turtle, C. J.
2014; 20 (2): 141-144
- **Merck Ad5/HIV induces broad innate immune activation that predicts CD8⁺ T-cell responses but is attenuated by preexisting Ad5 immunity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zak, D. E., Andersen-Nissen, E., Peterson, E. R., Sato, A., Hamilton, M., Borgerding, J., Krishnamurty, A. T., Chang, J. T., Adams, D. J., Hensley, T. R., Salter, A. I., Morgan, C. A., Duerr, et al
2012; 109 (50): E3503-E3512
- **Impact of Pretransplantation Minimal Residual Disease, As Detected by Multiparametric Flow Cytometry, on Outcome of Myeloablative Hematopoietic Cell Transplantation for Acute Myeloid Leukemia** *JOURNAL OF CLINICAL ONCOLOGY*
Walter, R. B., Gooley, T. A., Wood, B. L., Milano, F., Fang, M., Sorror, M. L., Estey, E. H., Salter, A. I., Lansverk, E., Chien, J. W., Gopal, A. K., Appelbaum, F. R., Pagel, et al
2011; 29 (9): 1190-1197
- **Comparison of matched unrelated and matched related donor myeloablative hematopoietic cell transplantation for adults with acute myeloid leukemia in first remission** *LEUKEMIA*
Walter, R. B., Pagel, J. M., Gooley, T. A., Petersdorf, E. W., Sorror, M. L., Woolfrey, A. E., Hansen, J. A., Salter, A. I., Lansverk, E., Stewart, F. M., O'Donnell, P. V., Appelbaum, F. R.
2010; 24 (7): 1276-1282