Stanford

Nathan Reticker-Flynn

Postdoctoral Research Fellow, Pathology

Bio

BIO

Nathan is a tumor immunologist working in the laboratory of Dr. Edgar Engleman. He works at the interfaces of Systems Biology, mouse models, and cancer immunology where he investigates interactions between tumors and the immune system during cancer metastasis. He performed his PhD work in Biomedical Engineering with Dr. Sangeeta Bhatia at MIT where he studied glycobiology and ECM interactions during cancer metastasis.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Massachusetts Institute of Technology (2013)
- Master of Science, Massachusetts Institute of Technology (2008)
- Bachelor of Science, Tufts University (2006)

STANFORD ADVISORS

- Edgar Engleman, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Edgar Engleman (11/1/2013)

Publications

PUBLICATIONS

- **Systemic Immunity Is Required for Effective Cancer Immunotherapy.** *Cell*
  Spitzer, M. H., Carmi, Y., Reticker-Flynn, N. E., Kwek, S. S., Madhireddy, D., Martins, M. M., Gherardini, P. F., Prestwood, T. R., Chabon, J., Bendall, S. C., Fong, L., Nolan, G. P., Engleman, et al
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- **Aberrant Glycosylation Promotes Lung Cancer Metastasis through Adhesion to Galectins in the Metastatic Niche** *CANCER DISCOVERY*
  Reticker-Flynn, N. E., Bhatia, S. N.
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- **A combinatorial extracellular matrix platform identifies cell-extracellular matrix interactions that correlate with metastasis** *NATURE COMMUNICATIONS*
  Reticker-Flynn, N. E., Malta, D. F., Winslow, M. M., Lamar, J. M., Xu, M. J., Underhill, G. H., Hynes, R. O., Jacks, T. E., Bhatia, S. N.
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- **A distinct subset of FcgammaRI-expressing Th1 cells exert antibody-mediated cytotoxic activity.** *The Journal of clinical investigation*

Rasoulouniriana, D., Santana-Magal, N., Gutwillig, A., Farhat-Younis, L., Wine, Y., Saperia, C., Tal, L., Gutman, H., Tsivian, A., Brenner, R., Bandora, E. A., Reticker-Flynn, N. E., Rider, et al

2019

- **A gut punch fights cancer and infection** *NATURE*

  Reticker-Flynn, N. E., Engleman, E. G.

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- **An Immunosuppressive Dendritic Cell Subset Accumulates at Secondary Sites and Promotes Metastasis in Pancreatic Cancer.** *Cancer research*

  Kenkel, J. A., Tseng, W. W., Davidson, M. G., Tolentino, L. L., Choi, O., Bhattacharya, N., Seeley, E. S., Winer, D. A., Reticker-Flynn, N. E., Engleman, E. G.

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- **Akt and SHP-1 are DC-intrinsic checkpoints for tumor immunity.** *JCI insight*

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- **Normalizing Microbiota-Induced Retinoic Acid Deficiency Stimulates Protective CD8(+) T Cell-Mediated Immunity in Colorectal Cancer.** *Immunity*

  Bhattacharya, N., Yuan, R., Prestwood, T. R., Penny, H. L., DiMaio, M. A., Reticker-Flynn, N. E., Krois, C. R., Kenkel, J. A., Pham, T. D., Carmi, Y., Tolentino, L., Choi, O., Hulett, et al

  2016; 45 (3): 641-655

- **Extracellular matrix microarrays to study inductive signaling for endoderm specification.** *Acta biomaterialia*

  Malta, D. F., Reticker-Flynn, N. E., da Silva, C. L., Cabral, J. M., Fleming, H. E., Zaret, K. S., Bhatia, S. N., Underhill, G. H.

  2016; 34: 30-40

- **Akt and SHP-1 are DC-intrinsic checkpoints for tumor immunity.** *JCI insight*

  Carmi, Y., Prestwood, T. R., Spitzer, M. H., Linde, I. L., Chabon, J., Reticker-Flynn, N. E., Bhattacharya, N., Zhang, H., Zhang, X., Basto, P. A., Burt, B. M., Alonso, M. N., Engleman, et al

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