



## Scott Longwell

Ph.D. Student in Bioengineering, admitted Autumn 2015

### Publications

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#### PUBLICATIONS

- **uPIC-M: Efficient and Scalable Preparation of Clonal Single Mutant Libraries for High-Throughput Protein Biochemistry.** *ACS omega*  
Appel, M. J., Longwell, S. A., Morri, M., Neff, N., Herschlag, D., Fordyce, P. M.  
2021; 6 (45): 30542-30554
- **Quantitative mapping of protein-peptide affinity landscapes using spectrally encoded beads.** *eLife*  
Nguyen, H. Q., Roy, J., Harink, B., Damle, N. P., Latorraca, N. R., Baxter, B. C., Brower, K., Longwell, S. A., Kortemme, T., Thorn, K. S., Cyert, M. S., Fordyce, P. M.  
2019; 8
- **micrIO: an open-source autosampler and fraction collector for automated microfluidic input-output.** *Lab on a chip*  
Longwell, S. A., Fordyce, P. M.  
2019
- **Comprehensive, high-resolution binding energy landscapes reveal context dependencies of transcription factor binding** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Le, D. D., Shimko, T. C., Aditham, A. K., Keys, A. M., Longwell, S. A., Orenstein, Y., Fordyce, P. M.  
2018; 115 (16): E3702–E3711
- **An Open-Source, Programmable Pneumatic Setup for Operation and Automated Control of Single- and Multi-Layer Microfluidic Devices.** *HardwareX*  
Brower, K., Puccinelli, R., Markin, C. J., Shimko, T. C., Longwell, S. A., Cruz, B., Gomez-Sjoberg, R., Fordyce, P. M.  
2018; 3: 117–34