

Douglas Porter

Basic Life Research Scientist, Dermatology

Bio

CURRENT ROLE AT STANFORD

Research Scientist, Khavari Lab

LINKS

- Khavari Lab: <http://khavarilab.stanford.edu>

Publications

PUBLICATIONS

- **Cell-type-specific interacting proteins collaborate to regulate the timing of Cyclin B protein expression in male meiotic prophase.** *Development (Cambridge, England)*
Baker, C. C., Gallicchio, L., Matias, N. R., Porter, D. F., Parsanian, L., Taing, E., Tam, C., Fuller, M. T.
2023
- **Glucose dissociates DDX21 dimers to regulate mRNA splicing and tissue differentiation.** *Cell*
Miao, W., Porter, D. F., Lopez-Pajares, V., Siprashvili, Z., Meyers, R. M., Bai, Y., Nguyen, D. T., Ko, L. A., Zarnegar, B. J., Ferguson, I. D., Mills, M. M., Jilly-Rehak, C. E., Wu, et al
2023; 186 (1): 80
- **Analyzing RNA-Protein Interactions by Cross-Link Rates and CLIP-seq Libraries.** *Current protocols*
Porter, D. F., Garg, R. M., Meyers, R. M., Miao, W., Ducoli, L., Zarnegar, B. J., Khavari, P. A.
2023; 3 (1): e659
- **PROBER identifies proteins associated with programmable sequence-specific DNA in living cells.** *Nature methods*
Mondal, S., Ramanathan, M., Miao, W., Meyers, R. M., Rao, D., Lopez-Pajares, V., Siprashvili, Z., Reynolds, D. L., Porter, D. F., Ferguson, I., Neela, P., Zhao, Y., Meservey, et al
2022; 19 (8): 959-968
- **Targeted Proteomic Approaches for Proteome-Wide Characterizations of the AMP-Binding Capacities of Kinases.** *Journal of proteome research*
Miao, W., Yin, J., Porter, D. F., Jiang, X., Khavari, P. A., Wang, Y.
2022
- **easyCLIP analysis of RNA-protein interactions incorporating absolute quantification.** *Nature communications*
Porter, D. F., Miao, W., Yang, X., Goda, G. A., Ji, A. L., Donohue, L. K., Aleman, M. M., Dominguez, D., Khavari, P. A.
2021; 12 (1): 1569
- **Records of RNA locations in living yeast revealed through covalent marks** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Medina-Munoz, H. C., Lapointe, C. P., Porter, D. F., Wickens, M.
2020; 117 (38): 23539-47
- **Distinct RNA-binding modules in a single PUF protein cooperate to determine RNA specificity.** *Nucleic acids research*
Qiu, C., Dutcher, R. C., Porter, D. F., Arava, Y., Wickens, M., Hall, T. M.
2019

- **Unbiased screen of RNA tailing activities reveals a poly(UG) polymerase** *NATURE METHODS*
Preston, M. A., Porter, D. F., Chen, F., Buter, N., Lapointe, C. P., Keles, S., Kimble, J., Wickens, M.
2019; 16 (5): 437-+
- **Methods to study RNA-protein interactions (vol 16, pg 225, 2019)** *NATURE METHODS*
Ramanathan, M., Porter, D. F., Khavari, P. A.
2019; 16 (4): 351
- **Methods to study RNA-protein interactions.** *Nature methods*
Ramanathan, M., Porter, D. F., Khavari, P. A.
2019; 16 (3): 225–34
- **Toward Identifying Subnetworks from FBF Binding Landscapes in Caenorhabditis Spermatogenic or Oogenic Germlines** *G3-GENES GENOMES GENETICS*
Porter, D. F., Prasad, A., Carrick, B. H., Kroll-Connor, P., Wickens, M., Kimble, J.
2019; 9 (1): 153–65
- **An RNA-Binding Multimer Specifies Nematode Sperm Fate** *CELL REPORTS*
Aoki, S. T., Porter, D. F., Prasad, A., Wickens, M., Bingman, C. A., Kimble, J.
2018; 23 (13): 3769–75