

# Publications

David Fushman

## Articles:

1. D. Pyper, S. Sreeramulu, B. T. Lanham, E. M. Engle, D. Fushman, H. Schwalbe, "NMR screening of low molecular weight inhibitors targeting the papain-like protease (PLPro) of SARS-CoV-2", **FEBS Open Bio** (2025) 15, 1667-1677. <https://doi.org/10.1002/2211-5463.70082>
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7. T. E. O'Brien, L. B. Ioffe, Y. Su, D. Fushman, H. Neven, R. Babbush, V. Smelyanskiy, "Quantum computation of molecular structure using data from challenging-to-classically-simulate nuclear magnetic resonance experiments", **PRX Quantum** (2022) 3, 030345. <https://doi.org/10.1103/PRXQuantum.3.030345>
8. W. Pawloski, T. Komiyama, C. Kougentakis, A. Majumdar, D. Fushman, "Site-specific detection and characterization of ubiquitin carbamylation", **Biochemistry** (2022) 61, 712-721. <https://doi.org/10.1021/acs.biochem.2c00085>
9. S. M. Bonn, D. Fushman, "Backbone NMR resonance assignment of the

intrinsically disordered UBact protein from *Nitrospira nitrosa*", **Biomolecular NMR Assignments** (2022) 16, 129-134. <https://doi.org/10.1007/s12104-022-10070-x>

10. A. Song, Z. Hazlett, D. Abeykoon, J. Dortch, A. Dillon, J. Curtiss, S. Bollinger Martinez, C. P. Hill, C. Yu, L. Huang, D. Fushman, R. E Cohen, T. Yao, "Branched ubiquitin chain binding and deubiquitination by UCH37 facilitate proteasome clearance of stress-induced inclusions", **eLife** (2021) 10:e72798. <https://doi.org/10.7554/eLife.72798>
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