

Mass spectrometry

MS-based protein footprinting publications

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Characterization of higher order structural changes of a thermally stressed monoclonal antibody via mass spectrometry footprinting and other biophysical approaches

Yanchun Lin, Austin B. Moyle, Victor A. Beaumont, Lucy L. Liu, Sharon Polleck, Haijun Liu, Heliang Shi, Jason C. Rouse, Hai-Young Kim, Ying Zhang, and Michael L. Gross

Anal Chem. 2023 Nov 21;95(46):16840-16849

<https://pubs.acs.org/doi/10.1021/acs.analchem.3c02422>

Efficient analysis of proteome-wide FPOP data by FragPipe

Carolina Rojas Ramírez, Jessica A. Espino, Lisa M. Jones, Daniel A. Polasky, and Alexey I. Nesvizhskii

Anal Chem. 2023 Nov 7;95(44):16131-16137

<https://pubs.acs.org/doi/10.1021/acs.analchem.3c02388>

Chemical penetration enhancers increase hydrogen peroxide uptake in *C. elegans* for *in vivo* fast photochemical oxidation of proteins

Jessica A. Espino, Zhihui Zhang, and Lisa M. Jones

J Proteome Res. 2020 Sep 4;19(9):3708-3715

<https://pubs.acs.org/doi/10.1021/acs.jproteome.0c00245>

***In vivo* fast photochemical oxidation of proteins using enhanced multiplexing proteomics**

Jessica A. Espino, Christina D. King, Lisa M. Jones, and Renā A. S. Robinson

Anal Chem. 2020 Jun 2;92(11):7596-7603

<https://pubs.acs.org/doi/10.1021/acs.analchem.0c00174>

Validation of the applicability of in-cell fast photochemical oxidation of proteins across multiple eukaryotic cell lines

Upneet Kaur, Danté T. Johnson, and Lisa M. Jones

J Am Soc Mass Spectrom. 2020 Jul 1;31(7):1372-1379

<https://pubs.acs.org/doi/10.1021/jasms.0c00014>

Illuminating biological interactions with *in vivo* protein footprinting

Jessica A. Espino and Lisa M. Jones

Anal Chem. 2019 May 21;91(10):6577-6584

<https://pubs.acs.org/doi/10.1021/acs.analchem.9b00244>

Development of spheroid-FPOP: an in-cell protein footprinting method for 3D tumor spheroids

Raquel L. Shortt, Yijia Wang, Amanda B. Hummon, Lisa M. Jones

J Am Soc Mass Spectrom. 2023 Mar 1;34(3):417-425

<https://pubs.acs.org/doi/10.1021/jasms.2c00307>

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