

Stanford



Michael Nshanian

Basic Life Research Scientist, Genetics

Bio

EDUCATION AND CERTIFICATIONS

- PhD, UCLA , Biochemistry and Molecular Biology
- MS, SJSU , Chemistry
- BS, UC Davis , Biochemistry

LINKS

- Google Scholar: https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=qfiUu3kAAAAJ

Publications

PUBLICATIONS

- **Short-chain fatty acids propionate and butyrate control growth and differentiation linked to cellular metabolism.** *Research square*
Nshanian, M., Geller, B. S., Gruber, J. J., Chleilat, F., Camarillo, J. M., Kelleher, N. L., Zhao, Y., Snyder, M. P.
2024
- **High Mass Analysis with a Fourier Transform Ion Cyclotron Resonance Mass Spectrometer: From Inorganic Salt Clusters to Antibody Conjugates and Beyond** *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*
Campuzano, I. G., Nshanian, M., Spahr, C., Lantz, C., Netirojjanakul, C., Li, H., Wongkongkathep, P., Wolff, J. J., Loo, J. A.
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2019
- **Native Top-Down Mass Spectrometry and Ion Mobility Spectrometry of the Interaction of Tau Protein with a Molecular Tweezer Assembly Modulator** *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*
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- **Enhancing sensitivity of liquid chromatography-mass spectrometry of peptides and proteins using supercharging agents** *INTERNATIONAL JOURNAL OF MASS SPECTROMETRY*
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- **Fixed-Charge Trimethyl Pyridinium Modification for Enabling Enhanced Top-Down Mass Spectrometry Sequencing of Intact Protein Complexes** *ANALYTICAL CHEMISTRY*
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- **Native-MS Analysis of Monoclonal Antibody Conjugates by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry** *ANALYTICAL CHEMISTRY*
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2018; 90 (1): 745–51
- **Fourier Transform-Ion Cyclotron Resonance Mass Spectrometry as a Platform for Characterizing Multimeric Membrane Protein Complexes** *JOURNAL OF THE AMERICAN SOCIETY FOR MASS SPECTROMETRY*
Lippens, J. L., Nshanian, M., Spahr, C., Egea, P. F., Loo, J. A., Campuzano, I. G.
2018; 29 (1): 183–93
- **Top-down/Bottom-up Mass Spectrometry Workflow Using Dissolvable Polyacrylamide Gels** *ANALYTICAL CHEMISTRY*
Takemori, N., Takemori, A., Wongkongkathep, P., Nshanian, M., Loo, R., Lermyte, F., Loo, J. A.
2017; 89 (16): 8244–50
- **Inhibition of Huntingtin Exon-1 Aggregation by the Molecular Tweezer CLR01** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
Voepel, T., Bravo-Rodriguez, K., Mittal, S., Vachharajani, S., Gnutt, D., Sharma, A., Steinhof, A., Fatoba, O., Ellrichmann, G., Nshanian, M., Heid, C., Loo, J. A., Klaener, et al
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- **Open-tubular capillary electrochromatography of small polar molecules using etched, chemically modified capillaries** *ELECTROPHORESIS*
Pesek, J. J., Matyska, M. T., Nshanian, M.
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