

Publications¹

Shen, Y., N. Tolić, K.K. Hixson, S.O. Purvine, G.A. Anderson, and R.D. Smith. 2008. “De Novo Sequencing of Unique Sequence Tags for Discovery of Post-Translational Modifications of Proteins.” *Analytical Chemistry* 80(20):7742-7754. DOI: 10.1021/ac801123p.

Shen, Y., K.K. Hixson, N. Tolić, D.G. Camp, S.O. Purvine, R.J. Moore, and R.D. Smith. 2008. “Mass Spectrometry Analysis of Proteome-Wide Proteolytic Post-Translational Degradation of Proteins.” *Analytical Chemistry* 80(15):5819-5828. DOI: 10.1021/ac800077w.

Shen Y., N. Tolic, K.K. Hixson, S.O. Purvine, L. Paša-Tolic, W-J Qian, J.N. Adkins, R.J. Moore, and R.D. Smith. 2008. “Proteome-wide identification of proteins and their modifications with decreased ambiguities and improved false discovery rates using unique sequence tags.” *Analytical Chemistry* 80(6):1871-1882. DOI: 10.1021/ac702328x. (Cover feature)

Currents: Journal of Proteome Research. April 4, 2008. “Unambiguous protein identification by unique sequence tags.” 7(4):1369. DOI: 10.1021/pr083725r.

Highlight

<http://www.emsl.pnl.gov/news/inbriefs/docs/shen20080521.pdf>

<http://www.emsl.pnl.gov/news/highlights/shen20081208.pdf>

¹ After project closeout, work using the UStags method continued through the method development and applications of projects studying human blood plasma peptidome and degradome. At the moment, two additional manuscripts accepted for publication in the *Journal of Proteome Research* and one submitted to *PLoS ONE* are direct products of the work on and developments stemming from the UStags project.