

### Publication List (Árpád Somogyi)

1. Snyder, D.T.; Panczyk, E.; Stiving, A.; Gilbert, J.; **Somogyi, Á.**; Kaplan, D.; Wysocki, V.H. "Design and performance of a second generation surface-induced dissociation cell for Fourier transform ion cyclotron resonance mass spectrometry of native protein complexes", *Anal. Chem.* **2019**, in press.
2. Knobloch, T.J.; Ryan, N.M.; Brushweiler, L.; Wang, C.; Bernier, M.C.; **Somogyi, Á.**; Yan, S.P.; Copperstone, J.; Mo, X.; Bruschiweiler, R.P.; Weghorst, C.M.; Qghumu, S. "Metabolomic Regulation of Glycolysis and AMP Activated Protein Kinase Pathways during Black Raspberry-Mediated Oral Cancer Chemoprevention" *Metabolites* **2019**, *9*, 140.
3. Smith, Z.M.; Wang, X.; Scheerer, J.R.; Martens, J.; Berden, G.; Oomens, J.; Steinmetz, V.; **Somogyi, Á.**; Wysocki, V.H.; Poutsma, J.C. "Spectroscopic Evidence for Lactam Formation in Terminal Ornithine  $b_2^+$  and  $b_3^+$  Fragment Ions", *J. Am. Soc. Mass Spectrom.* **2019**, *30*, 1-13.
4. Van Stipdonk, M.J.; Tatosian, I.J.; Iacovino, A.C.; Bubas, A.B.; Metzler, L.J.; Sherman, M.C.; **Somogyi, Á.** "Gas-Phase Deconstruction of UO<sub>2</sub>: Mass Spectrometry Evidence for Generation of [OU<sup>VI</sup>CH]<sup>+</sup> by Collision-Induced Dissociation of [U<sup>VI</sup>O<sub>2</sub>(CCH)]<sup>++</sup>" *J. Am. Soc. Mass Spectrom.* **2019**, *30*, 796-805.
5. Maltz, R.M.; Keirse, J.; Kim, S.C.; Mackos, A.R.; Gharaibeh, R.Z.; Morre, C.C.; **Somogyi, Á.**; Bailey, M.T. Social Stress Affects Colonic Inflammation, the Gut Microbiome, and Short Chain Fatty Acid Levels and Receptors *J. Pediatr Gastroenterol Nutr.* **2019**, *68*, 533-540.
6. Metzler, L.J.; Koehler, S.; **Somogyi, Á.**; van Stipdonk, M.J. "Formation of [Cu(CO<sub>2</sub>)(CH<sub>3</sub>OH)]<sup>+</sup> and [Cu(N<sub>2</sub>)(CH<sub>3</sub>OH)]<sup>+</sup> by gas-phase dissociation and exchange reactions" *Int. J. Mass Spectrom.* **2019**, *436*, 1-6.
7. Leggett, A.; Wang, C.; Li, D.W.; **Somogyi, Á.**; Bruschiweiler-Li, L.; Bruschiweiler, R.P. "Identification of Unknown Metabolomics Mixture Compounds by Combining NMR, MS and Chemoinformatics" *Methods in Enzymology* **2019**, *615*, 407-422.
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9. Semmersheim, M.; **Somogyi, Á.**; Torrolles, J.; Nishi, M.; Takeshima, H.; Lin, P-H. A Membrane Bound O-Acyltransferase Protein Regulates Lipid Composition and Membrane Vesicle Size in Skeletal Muscle *J. Biophysical Journal* **2017**, *112*, MG56.
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#### Book Chapter

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