

Declaration of Authorship

1. Pompach P, Benada O, **Rosůlek M**, Darebná P, Hausner J, Růžička V, Volný M, Novák P. Protein Chips Compatible with MALDI Mass Spectrometry Prepared by Ambient Ion Landing. *Anal Chem.* 2016 Sep 6;88(17):8526-34. [doi: 10.1021/acs.analchem.6b01366](https://doi.org/10.1021/acs.analchem.6b01366)

I declare that Michal Rosůlek contributed approximately 30% to the publication 1. He was responsible for protease MALDI chip preparation, MS data acquisition and data interpretation.

2. **Rosulek M**, Darebna P, Pompach P, Slavata L, Novak P. Proteases Immobilization for In Situ Time-Limited Proteolysis on MALDI Chips. *Catalyst.* 2019 Oct 3;9(10):833. [doi: 10.3390/catal9100833](https://doi.org/10.3390/catal9100833)

I declare that Michal Rosůlek contributed approximately 70% to the publication 2. He was responsible for protease MALDI chip preparation, experiment workflow design and optimization, experiment execution, MALDI MS data acquisition and analysis, design of evaluation process, Python script development and manuscript writing.

3. Kukačka Z, **Rosůlek M**, Jelínek J, Slavata L, Kavan D, Novák P. LinX: A Software Tool for Uncommon Cross-Linking Chemistry. *J Proteome Res.* 2021 Apr 2;20(4):2021-2027. [doi: 10.1021/acs.jproteome.0c00858](https://doi.org/10.1021/acs.jproteome.0c00858)

I declare that Michal Rosůlek contributed approximately 35% to the publication 3. He was responsible for definition of user requirement specification, software testing and de-bugging, ¹⁵N module development and programming, user manual writing and manuscript co-writing.

4. Hernychová L, **Rosůlek M**, Kádek A, Mareška V, Chmelík J, Adámková L, Grobárová V, Šebesta O, Kukačka Z, Skála K, Spiwok V, Černý J, Novák P. The C-type lectin-like receptor Nkrp1b: Structural proteomics reveals features affecting protein conformation and interactions. *J Proteomics.* 2019 Mar 30;196:162-172. [doi: 10.1016/j.jprot.2018.11.007](https://doi.org/10.1016/j.jprot.2018.11.007)

I declare that Michal Rosůlek contributed approximately 20% to the publication 4. He was responsible for chemical crosslinking, disulfide mapping, MS measurements and definition of ¹⁴N/¹⁵N crosslinking search protocol.

5. Rozbeský D, **Rosůlek M**, Kukačka Z, Chmelík J, Man P, Novák P. Impact of Chemical Cross-Linking on Protein Structure and Function. *Anal Chem.* 2018 Jan 16;90(2):1104-1113. [doi: 10.1021/acs.analchem.7b02863](https://doi.org/10.1021/acs.analchem.7b02863)

I declare that Michal Rosůlek contributed approximately 20% to the publication 5. He was responsible for chemical crosslinking, LCMS acquisition, LCMS data processing, crosslinking data interpretation and reaction product quantification.

Prague: January 17, 2025



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RNDr. Petr Novák, Ph.D.