

# Accepted Manuscript

S2P: A Software Tool to Quickly Carry Out Reproducible Biomedical Research Projects Involving 2D-Gel and MALDI-TOF MS Protein Data

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PII: S0169-2607(17)31070-2  
DOI: [10.1016/j.cmpb.2017.11.024](https://doi.org/10.1016/j.cmpb.2017.11.024)  
Reference: COMM 4555



To appear in: *Computer Methods and Programs in Biomedicine*

Received date: 25 August 2017  
Revised date: 21 November 2017  
Accepted date: 24 November 2017

Please cite this article as: Hugo López-Fernández , José E. Araújo , Susana Jorge , Daniel Glez-Peña , Miguel Reboiro-Jato , Hugo M. Santos , Florentino Fdez-Riverola , José L. Capelo , S2P: A Software Tool to Quickly Carry Out Reproducible Biomedical Research Projects Involving 2D-Gel and MALDI-TOF MS Protein Data, *Computer Methods and Programs in Biomedicine* (2017), doi: [10.1016/j.cmpb.2017.11.024](https://doi.org/10.1016/j.cmpb.2017.11.024)

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**Highlights**

- S2P, a multiplatform application for the integrated analysis of 2D-gel and MALDI-based mass spectrometry protein data is presented.
- Our software provides different functionalities to process 2D-gel and MALDI-mass spectrometry protein identification-based data in a computer-aided, reproducible manner.
- S2P incorporates a user-friendly, intuitive graphical user interface (GUI), designed for biomedical researchers without advanced bioinformatics skills.
- S2P reduces the time that researchers need to invest in order to prepare data for subsequent analysis, such as discovering potential biomarkers.
- Different case studies demonstrate the usefulness of S2P.

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