

Martín Suárez Álvarez

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Summary

Biochemist and MSc student in Bioinformatics for Health Sciences at Universitat Pompeu Fabra (Barcelona). Great interest in omics data analysis, statistics, immunology, and cancer biology.

Education

- 2023-2025** **MSc in Bioinformatics for Health Sciences** | Universitat Pompeu Fabra
Focus on genomics, statistical and mathematical methods, data analysis and structural biology
- 2019-2023** **BSc in Biochemistry** | Universitat de Barcelona
9.5/10 average mark. Graduated with honors in bioinformatics, statistics and immunology among others. I took elective courses in molecular biology and cancer biology.

Professional experience

- Feb - Jul 2023** **Bachelor thesis** | Universitätsklinikum Freiburg, Germany
Bachelor student at Dr. Luciana Hannibal's research group, carrying out the bachelor thesis "*Biomarkers and submetabolomes of nutritional and experimental B12 deficiency*". The work involved handling the whole experimental process: experimental design, working with human plasma, human cell culture, LC-MS/MS metabolomics and bioinformatic analysis.
- Jun - Sep 2022** **Summer internship** | La Jolla Institute for Immunology, California, US
Intern at Dr. Sonia Sharma's research group, working on the development of a CRISPR-Cas9 knock-out cell line for the study of a rare inborn error of metabolism.

Skills

Academic: Experience in programming and data visualization with R. Knowledge of bash and Python. Sound knowledge of molecular biology, high throughput experimental techniques, and statistical analysis for biological data.

Personal: Hardworking and willing to participate in collaborative and interdisciplinary projects. Independent learner, eager to know new working environments and different disciplines. Highly adaptable to the workplace workflow.

Publications

Storz MA, Müller A, Niederreiter L, Zimmermann-Klemd AM, Suarez-Alvarez M, Kowarschik S, Strittmatter M, Schlachter E, Pasluosta C, Huber R, Hannibal L. *A cross-sectional study of nutritional status in healthy, young, physically-active German omnivores, vegetarians and vegans reveals adequate vitamin B12 status in supplemented vegans*. Ann Med. 2023;55(2):2269969. doi: 10.1080/07853890.2023.2269969. Epub 2023 Oct 18. PMID: 37851870; PMCID: PMC10586079.

Posters

Suarez-Alvarez M, Wingert V, Spiekerkoetter U, Stabler SP, Hannibal L. (2023, September 17-20). *Biomarkers and submetabolomes of experimental B12 deficiency*. HCY2023: 14th International conference on One-Carbon Metabolism, B Vitamins and Homocysteine - Cambridge, England.