

# Proteomics Bioinformatics EuBiC workshop

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**XII<sup>th</sup> Annual Congress of the European Proteomics Association**  
**June 16<sup>th</sup> 2018**

We are delighted to invite you to the course in proteomics bioinformatics held at the XII<sup>th</sup> Annual Congress of the European Proteomics Association, June 16<sup>th</sup> 2018, and organized by the EuPA Bioinformatics Community (EuBiC) initiative ([proteomics-academy.org/bioinformatics](http://proteomics-academy.org/bioinformatics)). The course will include mini lectures, practicals, and Q&A on open access software for the identification and quantification of mass spectrometry generated proteomics data.

The course will focus in detail on particular algorithms for identification and quantification of shotgun proteomics data. Furthermore, recurrent problems and challenges in the field will be discussed through lectures, practicals and dedicated Q&A sessions.

## Topics Covered

- How to control the quality of results and troubleshoot the identification process? How to validate and interpret proteomics identification results?
- Quantification strategies in proteomics.
- Best practices for post-processing / statistical analysis of quantitative MS data.

## Target Audience

The course is designed for researchers and engineers with basic understanding of the major tasks in computational proteomics and some experience with analysis of large-scale shotgun proteomics.

If you have any question regarding this course, feel free to contact us at:

[eubic-eupa2018@googlegroups.com](mailto:eubic-eupa2018@googlegroups.com).

## Prerequisites

It is expected that the attendants are familiar with the basics of shotgun proteomics and tandem mass spectrometry. **The attendants need to bring their own laptops with Windows installed.** In order to get the most out of this workshop, we advise a minimal configuration of: 64 bits operating system, 2 CPUs, 8GB of RAM, minimum screen resolution of 1680 x 1050, WLAN card (for Wi-Fi connection).

## Instructors

- David Bouyssié (david.bouyssié@ipbs.fr), Institute of Pharmacology and Structural Biology, Toulouse, France
- Marie Locard-Paulet (marie.locard@ipbs.fr), Institute of Pharmacology and Structural Biology, Toulouse, France
- Dominik Kopczynski (dominik.kopczynski@isas.de), Leibniz Institute for Analytical Sciences, Dortmund, Germany

**Duration:** 7-8 h (starting at 9:30h).

**Attendance:** limited to 40 people.

**Fee:** 50 € (registration through the congress website).