

[\[ONLINE\] PATC: Short course on HPC-based Computational Bio-Medicine](#)

Objectives

The objective of this course is to give a panorama on the use of hpc-based computational mechanics in Engineering and Environment through the projects BSC are carrying on. This panorama includes the basics of what is behind the main tools: computational mechanics and parallelization. The training is delivered in collaboration with the center of excellence CompBioMed.

Requirements

Level: All courses are designed for specialists with at least 1st cycle degree or similar background experience

Please download and carefully read the following [instructions](#) regarding the logistics participants enrolling online PATC at BSC are expected to follow.

Learning Outcomes

The course gives a wide perspective and the latest trends of how HPC helps in industrial, clinical and research applications allowing to achieve more realistic multiphysics simulations. In addition, the student has the opportunity of running Jobs in Marenostrum supercomputer.

[Academic Staff](#)

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Course Convener: Mariano Vazquez

Lecturers: Mariano Vázquez (BSC), Okba Hamitou (Atos), Ricard Borrell (BSC), Diana Fernandez Velez (BSC), Carlos Teijeiro Barjas (SURFsara), Ben Czaja (UvA), Paul Melis (SURFsara), Cristobal Samaniego (BSC), David Oks (BSC), Alfonso Santiago (BSC), Alexander Heifetz (EVOTEC), Andrea Townsend-Nicholson (UCL)

Materials

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Further information

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Sponsors:

BSC and PRACE 5IP project are funding the PATC @ BSC training events.
If you want to learn more about PRACE Project, visit the [website](#).

Contact Us:

[CONTACT US](#) for further details about MSc, PhD, Post Doc studies, exchanges and collaboration in education and training with BSC.

For further details about Postgraduate Studies in UPC - Barcelona School of Informatics (FiB), visit the [website](#).

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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