

CompBioMed Training: Winter School 2018

HPC-based simulations in Engineering - Bioengineering Applications

Agenda

Time	Day 1: 14 Feb
9:00-11:00	Introduction to Computational Mechanics: Bioengineering Applications (BSC)
11:00-13:00	Introduction to HPC in Computational Modelling (Bull/Atos)
Lunch Break	
14:00-16:00	Computational Hemodynamics on HPC (UvA)
16:00-18:00	Parallel algorithms for Computational Mechanics (BSC)

Time	Day 2: 15 Feb
9:00-11:00	Musculoskeletal Modelling (USFD)
11:00-13:00	HPC and Cloud Computing (Microsoft)
Lunch Break	
14:00-16:00	Molecular Medicine (UCL-Evotec)
16:00-18:00	Molecular Medicine: Hands On (UCL)

Time	Day 3: 16 Feb
9:00-11:00	Scientific visualization (BSC)
11:00-13:00	Molecular Medicine (UPF - Acellera)
Lunch Break	
14:00-16:00	Cardiac Exemplar (BSC-Oxford)
16:00-18:00	Introduction to Computational Solid Mechanics (BSC)