

Large Scale Computing and Simulation

- Role of simulation & modeling
 - Short-term goal of technology transfer to industry to make available a certified version of monte carlo libraries that could be coupled with common treatment packages
- Exploitation of modern processor architectures
 - Improving performance without compromising usefulness
 - Work in conjunction with PRACE HPC community
 - Virtual Physiological Human (VPH)
- Collaboration experience and IT platforms that can handle ‘big data’ for the investigation of ‘standard models of diseases’
 - WLCG as an example of a massive data sharing & analysis facility
 - Work with ELIXIR at the European level
- Take into account medical research community requirements in platforms currently being assembled, such as Helix Nebula Science Cloud
 - Be aware of data policy in any developments so that they can be used locally (within a clinic/lab) and on a global platform