



# CHIC

## Summer School

7-9 September 2015

Dagstuhl Castle

Wadern, Germany

### Register now for an extended workshop on In-Silico Oncology!

The overarching idea behind *in silico medicine* is to view disease as a complex and multiscale natural phenomenon amenable to modeling and simulation. *In silico* (i.e., on the computer) experimentation using each patient's own multiscale biomedical data is expected to significantly improve the effectiveness of medical treatment in the future. Reliable computer predictions could suggest the optimal treatment scheme(s) and schedule(s) for each separate case. The term *multiscale* refers to several scales or levels of the manifestation of life such as the molecular, the cellular, the tissue, the organ, and the body system scales, which are addressed concurrently.

Clinically driven complex multiscale cancer models can produce realistic spatio-temporal simulations of concrete clinical interventions such as radio-chemotherapy applied to individual patients. Therefore, the benefit of *in silico* oncology lies in reliable computer predictions, which could suggest the optimal treatment scheme(s) and schedules for each separate case. Clinical data processing procedures and computer technologies play an important role in this context.

The CHIC summer school mainly addresses young researchers from CHIC and its partner projects VPH-SHARE, MyHealthAvatar, Dr. Therapat, VPH-Prism, Go-Smart and iManageCancer, but we also warmly welcome interested participants from related research areas outside of these projects. Registration is open to interested parties with or without the submission of an abstract for a lecture or a tool demonstration. However, as the Summer School will be an interactive event, participants willing to give a presentation or a tool demonstration will be preferred in the registration process. Beyond this selection criterion it is "first come, first served".

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The registration is open until **12 June 2015**.

<http://chic-vph.eu/summer-school/>

