



Dear guest,

We hope that you will enjoy your stay at Center for Biomedical Computing (CBC) at Simula Research Laboratory.

Please complete this form and return it to your CBC contact, or send it to:

Tom D. Atkinson
Center for Biomedical Computing
Simula Research Laboratory
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Name (Surname, First name)
Position (Professor/ Postdoc/ Ph.D. student)
Duration of visit (dd.mm.yy – dd.mm.yy)
Affiliation (University of
Your nationality
Your research topic
Your CBC contact

If you have any comments or suggestions on how we can improve, it would be appreciated:

Center for Biomedical Computing (CBC) is a Norwegian Center of Excellence with a vision of facilitating access to complex mathematical models for scientists. The primary application area is biomedicine, but the computational methodologies and software tools have relevance to many other areas of science and technology.

The center's research focus is on developing open-source reusable software tools for solving partial differential equations (PDEs), robust numerical methods for coupled continuum problems, and advanced multi-physics/multi-scale computer models, especially for biomedical research. Some key topics are continuum mechanics, computational fluid dynamics, fluid-structure interaction, turbulence modelling, solid mechanics of soft tissues, cell models and ordinary differential equations, electrical signal propagation in tissues, finite element methods, finite volume and difference methods, complex and moving geometries, heterogeneous media, stochastic uncertainty modelling, numerical methods for ordinary differential equations, multi-scale modelling, parallel (distributed and shared memory) computing, problem solving environments for multi-physics applications, open-source software development with Python, Fortran, C and C++ for Linux, Mac and Windows, and scientific software engineering.