

Announcement Lorentz Center workshop @Snellius

Application opens at 7 August and closes at 21 August 2012 (17.00hrs)

Modeling of Multicellular Development and Cancer: European CompuCell3DSBW Hands-on Workshop

which will be held from 8-13 October 2012 at the Lorentz Center @Snellius in Leiden (NL)

Scientific Topic Computational modeling of tissues and organs with cellular and subcellular resolution is becoming an integral part of contemporary bioscience. The Glazier-Graner-Hogeweg (GGH) or Cellular Potts Model (CPM) as implemented in the modeling environment CompuCell3D allows researchers to rapidly build complex models of multi-cell processes in development and disease of tissues with user-selectable resolution, from sub-cellular compartmental models to continuum models of tissues. To efficiently link dynamics at the sub-cellular scale to the multicellular scale, users build biochemical reaction models using Systems Biology Workbench (SBW) to control properties of simulated cells in CompuCell3D. CompuCell3D and SBW are simulation environments that target complementary areas of biological modeling. By combining the capabilities of both frameworks users can build truly multi-scale models of tissues, organs or organisms with minimal amount of hardcoded, heuristic rules. CompuCell3D and SBW are open source, allowing users to extend, improve, validate, modify and share the core software. For more information please visit: <http://www.compuCell3d.org/> (CompuCell3D and GGH/CPM) and <http://www.sys-bio.org/> (SBW).

Meeting Format Lorentz Center organizes scientific meetings for small groups of up to 25 participants, including both senior and junior scientists. Lorentz Center meetings dedicate a considerable amount of time to discussion sessions, thus stimulating an interactive atmosphere and encouraging collaborations between participants. This format typically generates extensive debates and enables significant progress to be made within the research topic of the meeting.

Lorentz Center Facilities The meeting is held at the Lorentz Center @Snellius, located at the Faculty of Science campus of Leiden University, the Netherlands. The Lorentz Center provides each participant with office space and wireless internet access. Lorentz Center also provides various practical services for the participants, such as arranging accommodations at the nearby hotel "Van der Valk Hotel Leiden", visa assistance and bike rental. For further information, please refer to our website: <http://www.lorentzcenter.nl>

Costs and Refunds Lorentz Center does not charge registration fees. In addition, Lorentz Center hosts a welcome reception and two meeting dinners (on Wednesday and Friday), all free of charge.

Thanks to the generosity of European Science Foundation (ESF) and the Lorentz Center, participants are provided with accommodation at the hotel "Van der Valk Hotel Leiden". Lorentz Center and ESF will also reimburse your travel expenses up to a maximum of €300 (within Europe) or €800 (outside Europe).

Please note that it is our responsibility to mention that the information of the participants of the workshop (title, full name, gender and affiliation) will be entered into the ESF database.

Application and important deadlines Application opens on Tuesday 7 August 2012 and closes at Tuesday 21 August 2012 at 17.00hrs. You can apply via <http://www.lorentzcenter.nl/lc/web/2012/534/info.php3?wsid=534&venue=Snellius>

Please note that your admittance to the workshop is at the discretion of the scientific organizers (**James Glazier, Roeland Merks, Herbert Sauro** and **Maciej Swat**) on the basis of a short motivation and biography (to be submitted through the application form). You will be informed on your admission by 13 September 2012 at the latest. Note that there are only a limited amount of spaces available.

It is required to participate for the whole workshop week.

For further information about the workshop program, venue, and scientific topics, please check our webpage. As the coordinator of all practical matters involved in this Lorentz Center workshop, I will be happy to answer your questions.

Kind regards,
On behalf of the organizers,

Renee Blaisse
Workshop Coordination
email: blaisse@lorentzcenter.nl
telephone: +31 71 527 8523

