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BioDynaMo: Biological simulation in the cloud (CERN IT Technical Forum) ^[1]

Date:

Friday, 1 December, 2017 - 10:00 to 12:00

Location:

[31-3-004 - IT Amphitheatre \(CERN\)](#) ^[2]

We present BioDynaMo, a platform to simulate the growth and development of tissues starting from single cells. Addressing ambitious research questions, like modeling epilepsy, would require simulations with billions of cells on a large distributed cloud or HPC system. In this talk we explain the current parallelized simulation engine, our distributed computing approach and give an outlook on future research and development.

Indico or other event webpage:

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technical-forum

Links

- [1] <http://test-static-05.web.cern.ch/news/biodynamo-biological-simulation-cloud-cern-it-technical-forum>
- [2] <https://maps.cern.ch/mapsearch/>
- [3] <https://indico.cern.ch/event/655459/>