

ReaDDy

Freie Universität  Berlin

Summer School 2014

The computational molecular biology group at FU Berlin invites applications for the Summer School '**Reaction-Diffusion Dynamics in Biological Systems 2014**' in Berlin (Germany).

The school addresses young scientists at M.Sc. or Ph.D. student level with a background in **physics, chemistry, bioinformatics or computer science**. FU-students can receive the equivalent of a **2 SWS** module (5 ECTS points) for a successful completion.

The Summer School will take place during **28.07. - 01.08.2014**. Attendance at the school is free of charge.

The deadline for email application is June 31, 2014.

Main Topics will be:

Macromolecular diffusion and crowding
Simulation of signal transduction in cells
Particle-based reaction-diffusion simulation
ReaDDy simulation package

We will give a few lectures introducing the theoretical and physical background and the computational challenges in particle-based reaction-diffusion simulations. Computer tutorials will be given for setting up and conducting particle-based reaction-diffusion simulations using the ReaDDy simulation package (readdy-project.org).

Please see school.johannes-schoeneberg.de for further information.

The summer school is organized in the Noé lab by Johannes Schöneberg and Frank Noé.

