The computational molecular biology group at FU Berlin invites applications for the Summer School ‘ReaDDy’ 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.