MS-BioNET Home
Sara Montagna
2015/03/16 10:26
Table of Contents

MS-BioNET Home .......................................................... 3
MS-BioNET Home

MS-BioNet (MultiScale-Biochemical NETwork) is a computational framework for modelling and simulating large networks of compartments hosting a chemical solution and communicating through an enhanced model of chemical reaction addressing molecule transfer.

The framework provides:

- a logic-oriented specification language that is used to flexibly specify simulation scenarios providing constructs to directly express biochemical reactions, compartments, compartment link topology, and reactions involving selective transfer through membranes
- a simulation engine to perform stochastic simulation using the Gillespie’s SSA
- a module for parameter optimisation

Contact: Sara Montagna