

### A web-based simulation environment for kinetic modeling of cellular network systems

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We developed a web-based environment for managing quantitative and qualitative information on cellular networks, and for interactively exploring their dynamic behavior in response to systemic perturbations. It is designed as a user-friendly web interface, allowing users to efficiently create, visualize, simulate and store reaction network models in their own model projects, thereby facilitating kinetic modeling and simulation of biological systems under development. SBML support for dynamically exchanging the model is one of attractive features of this environment : an extensively collected model library is also available to provide comprehensive implications of cellular dynamics.

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