

of *BlenX* that allows the definition of general rate functions for reactions. However the usage of the SSA algorithm with simple and complex kinetic laws leaves to the user the responsibility to validate simulation results. The example proposed here uses those different levels of abstraction and it has been validated against experimental results. It is our future goal to further analyze the mechanisms that are behind those complex kinetics in order to make more detailed considerations on the effect of the stochastic noise.

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