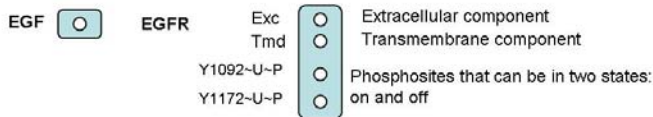


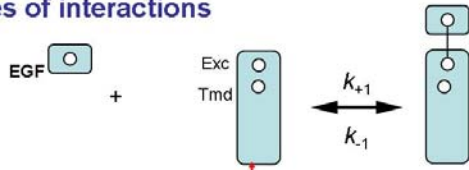
# The First Rule-Based Modeling Short Course

## A model is specified by

### a) Biomolecules and their components



### b) Rules of interactions



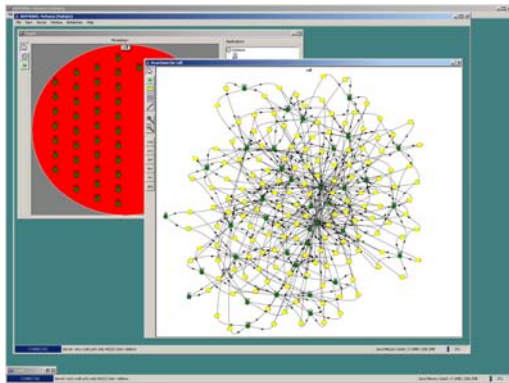
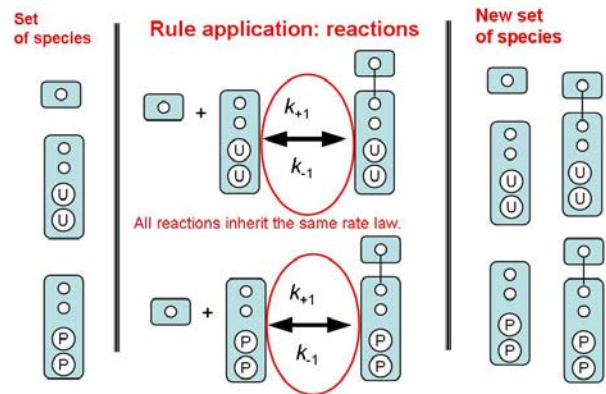
Components Y1092 and Y1172 are not shown and thus do not affect ligand-receptor binding

The aim of the course is to introduce methods of rule-based modeling and give examples. The course will consist of one morning of introductory lectures, followed by continuous interactive, hands-on sessions using the **BioNetGen** (<http://vcell.org/bionetgen>) and **Virtual Cell** (<http://vcell.org>) software for developing models and performing simulations.

The First **Rule-Based Modeling Short Course** will be sponsored by the Technology Center for Networks and pathways (TCNP) at the University of Connecticut Health Center on **June 24-25, 2009** in Farmington, CT. This is an intense hands-on course designed to enable biologists to develop a rule-based model of signal transduction for their

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### Rules generate reactions and new chemical species



## How to Apply for the Course

To apply for the course please contact Dr. **Michael Blinov**: [blinov@uchc.edu](mailto:blinov@uchc.edu). There is no registration fee for this course and TCNP will provide all meals. Some financial assistance for travel and housing may be available. We hope you will be able to join us and please pass the word along to your colleagues.

## Additional Information

For more information on the **BioNetGen rule-based modeling software** and its capabilities please visit our web site at <http://vcell.org/bionetgen>, which has extensive tutorials and examples of rule-based modeling using the Virtual Cell.

