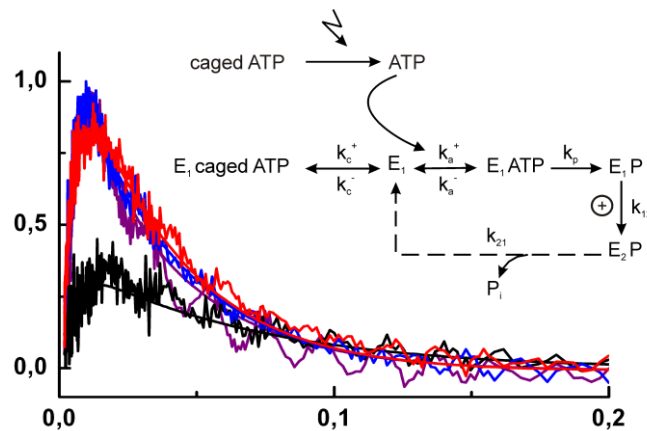


# Vorlesungsankündigung



## Practical kinetics for the life sciences

Klaus Fendler

Vorlesung mit Übungen, 2 stündig, für Studenten der Biologie, Chemie, Biochemie, Biophysik und Pharmazie

**Beginn:** Dienstag 25. Oktober 14.00 Uhr, Seminarraum 2.015, MPI für Biophysik

**Understanding chemical reactions.** Temperature dependence of chemical reactions, Arrhenius plot, diffusion controlled reactions, Eyring Theory, transition state, catalytic antibodies, thermodynamic parameters.

**Describing chemical reactions.** Molecularity, reaction order, inhibition, multiple binding, complex reactions, useful approximations, kinetic models, stationary enzyme kinetics, pre steady-state enzyme kinetics, simulation of chemical reactions, numerical solutions to differential equations (notebook required).