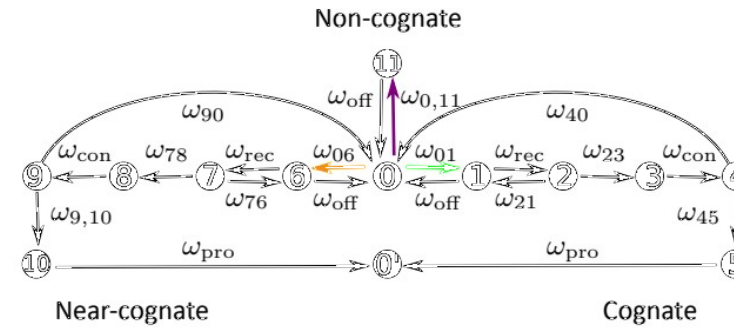


Überblick: Aktuelle Themen

„Mathematik/Theorie“

- ◆ Identifying coding regions of RNA via a scaling approach
- ◆ Thermodynamic description of Markov processes
- ◆ Modelling the translation error landscape in E. coli
- ◆ Modelling of metabolic processes (coop. AG Witte)

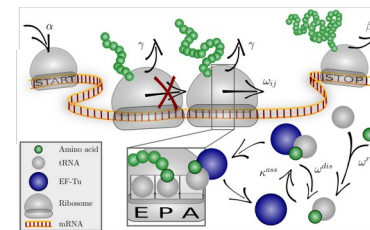


„Programmieren mit julia“

- ◆ Calculating p-site offsets using julia
- ◆ Developing a reproducible GUI

„Simulationen“

- ◆ Simulation of co- and post-translational protein complex assembly
- ◆ Building a computational model of the extracellular matrix



„Datenanalyse“

- ◆ Codon optimization in E. Coli (coop. AG Köhnke)
- ◆ Arabidopsis RNAseq/Riboseq: Codon-specific elongation rates for chloroplasts