

V510 Theorie Biologischer Netzwerke

Course Material

Lecture Script covering Metabolic Control Analysis: [MCA.pdf](#)

Calculations for the simple glycolysis model: [glykolyseModell.pdf](#)

Book Chapter introducing the simple glycolysis model: [erythrocyteGlycolysis.pdf](#)

Lecture Script covering signal transduction networks: [signalTransduktion.pdf](#)

Paper on protein kinase signal transduction: [Heinrich et al. \(2002\)](#)

Slides of lecture on Network Expansion and Scopes: [scopesLecture.pdf](#)

Exercises

[Glycolysis in Erythrocytes: basic](#)

[Glycolysis in Erythrocytes: advanced](#)

[Protein kinase cascades](#)

Self study

[Exam paper winter 2017/18](#)