

**Model-Assisted Analysis of Cyclic AMP Signal Transduction
in *Saccharomyces cerevisiae* – cAMP as Dynamic Coordinator
of Energy Metabolism and Cell Cycle Progression**

**Modellgestützte Analyse der Signaltransduktion durch zyklisches
AMP in *Saccharomyces cerevisiae* – cAMP als dynamischer
Koordinator von Energiestoffwechsel und Zellteilung**

Von der Fakultät Maschinenbau der Universität Stuttgart
zur Erlangung der Würde eines Doktors der
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vorgelegt von Dirk Müller
aus Braunschweig

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Dirk Müller

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To Luise,

Alexander, and Ricarda

Nothing
in biology
is as simple
as it first appears

Dez and Tollervey

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Table of Contents

List of Symbols and Abbreviations	VIII
Summary	XVIII
Zusammenfassung	XXI
1 Introduction	1
1.1 Why Yeast?	1
1.2 Thesis Outline	2
2 Literature Review	4
2.1 General Overview	4
2.1.1 Key concepts of systems biology	4
2.1.1.1 <i>Top-down vs. bottom-up</i>	6
2.1.2 The role of mathematical models	8
2.1.3 Future Directions in Systems Biology	10
2.1.3.1 <i>Quantitative Experimental Tools for Global Analyses</i>	10
2.1.3.2 <i>Dry Lab</i>	11
2.2 Cyclic AMP – Signal Transduction And Downstream Effectors	12
2.2.1 cAMP – One Molecule For Many Functions	12
2.2.2 Topology of the cAMP signal transduction pathway	14
2.2.2.1 <i>Ras Proteins</i>	14
2.2.2.2 <i>Ras Guanine Nucleotide Exchange Factors</i>	15
2.2.2.3 <i>Ira proteins</i>	17
2.2.2.4 <i>Adenylate Cyclase and Srv2</i>	17
2.2.2.5 <i>Protein Kinase A</i>	18
2.2.2.6 <i>Phosphodiesterases</i>	20
2.2.2.7 <i>Regulation of PKA activity by negative feedback</i>	20
2.2.2.8 <i>Glucose activation via the GPCR system</i>	21
2.2.3 Activation by Stress	24
2.2.4 Metabolic Effects	24
2.2.5 Interactions with Other Signaling Pathways	27
2.2.5.1 <i>Role of PKA in Morphological Decisions</i>	27
2.2.5.2 <i>The FGM and TOR Pathways</i>	28
2.2.5.3 <i>Interaction with the Pheromone Response</i>	30
2.2.5.4 <i>Other Interactions</i>	30
2.3 The Yeast Mitotic Cell Cycle	31
2.3.1 What we see: the phenomenological level	31
2.3.2 What lies beneath: the cell cycle machinery	33
2.3.3 Two Different Oscillators Underlie the Yeast Cell Cycle	36
2.3.4 Checkpoints Ensure the Fidelity of Cell Division	37
2.3.5 The Role of cAMP in the Integration of Cell Growth and Proliferation	39
2.3.5.1 <i>Role of cAMP and PKA in START Regulation</i>	40
2.3.5.2 <i>Role of cAMP and PKA in the Regulation of Mitosis</i>	44
2.3.6 Mathematical Models of the Yeast Cell Cycle	48
2.4 Synchronous cultures	50
2.5 Oscillations in Yeast Cultures	55
2.6 Dynamic Models of Signal Transduction Cascades	56
3 Materials and Methods	60
3.1 Organism	60
3.2 Media	60
3.2.1 Yeast Malt Agar	60

Table of Contents

3.2.2	Synthetic Medium	60
3.2.3	Elutriation and Synchronous Cultures.....	62
3.3	Continuous Cultivation	62
3.4	Preparation of Synchronous Cultures using Centrifugal Elutriation	63
3.5	Cultivation of Synchronous Cultures.....	65
3.5.1	Batch Cultivation	65
3.5.2	Fed Batch Cultivation.....	65
3.6	Determination of Biomass Concentration.....	67
3.6.1	Spectrophotometry (OD ₆₂₀).....	67
3.6.2	Dry Weight Determination.....	67
3.7	Cell Number	68
3.8	Exhaust Gas Analysis	68
3.8.1	Offgas data deconvolution	68
3.9	Measurement of Metabolites.....	71
3.9.1	Extracellular Metabolites	71
3.9.1.1	<i>Rapid Sampling and Quenching</i>	<i>71</i>
3.9.1.2	<i>Enzymatic Assays.....</i>	<i>72</i>
3.9.1.3	<i>Gas Chromatography.....</i>	<i>72</i>
3.9.2	Intracellular Metabolites	72
3.9.2.1	<i>Measurement of cAMP</i>	<i>72</i>
3.9.2.2	<i>Determination of Adenine and Guanine Nucleotides</i>	<i>73</i>
3.10	Calculation of Uptake and Excretion Rates.....	75
3.10.1	Calculation of Rates	75
3.10.2	Error Propagation.....	78
3.11	Determination of the Population Distribution of Cell Cycle Stages, and Cell Age.....	79
3.11.1	Budding Index.....	80
3.11.2	Nuclear Morphology	80
3.11.3	DNA Content	81
3.11.4	Genealogical Age (Birth Scars).....	82
3.12	Estimation of the Cell Volume Distribution	83
3.13	Chemicals.....	84
4	Cell Cycle Dynamics of Cyclic AMP	85
4.1	Introduction	85
4.2	Dynamics of cAMP in oscillating glucose-limited continuous cultures.....	87
4.3	Choice of synchronization method	90
4.4	Cell cycle dynamics of cAMP under conditions of glucose excess	91
4.5	Cell cycle dynamics of cAMP under glucose-limitation	95
4.6	Conclusion	101
5	Nucleotide Dynamics during the Cell Cycle	103
5.1	Method Development for Nucleotide Measurements.....	105
5.2	Nucleotide Dynamics in Partially-Synchronized Continuous Culture.....	109
5.3	Nucleotide Dynamics in Synchronous Culture.....	113
5.4	Discussion	116
6	Snapshots of Energy Metabolism: Metabolic Flux Analysis During the Cell Cycle	120
6.1	Introduction	120
6.2	Model Development.....	123
6.3	Experimental Results.....	126
6.3.1	Partially-Synchronized Continuous Culture.....	126
6.3.2	Synchronous Fed-Batch Culture	129
6.4	Simulation Results	132

6.4.1	Substrate Fluxes	133
6.4.2	Key Node Dynamics: Glucose-6-Phosphate and Pyruvate	135
6.4.3	Fluxes of the TCA Cycle.....	138
6.4.4	Biomass Production and Specific Growth Rate	139
6.5	Discussion	142
7	Modeling the Influence of cAMP on Cell Cycle Progression	147
7.1	Outline of an Integrated Model	147
7.2	Model development.....	149
7.2.1	Outline of the Base Models.....	149
7.2.2	Model Extension: Incorporating the Influence of cAMP and PKA.....	150
7.2.3	Obtaining experimental data for parameter estimation	153
7.3	Simulation Results	158
7.3.1	Characteristic trajectories.....	160
7.3.2	Influence of the specific growth rate.....	162
7.3.3	Sensitivity Analysis.....	166
7.4	Summary and Conclusion.....	168
8	Dynamic Models of cAMP Signal Transduction in Yeast	170
8.1	Rationale for a Deterministic Model.....	171
8.2	A Concise Model of cAMP Signal Transduction.....	173
8.2.1	Model Development.....	173
8.2.2	Simulation Results	176
8.3	Outline of An Extended Model	186
8.3.1	Model Development	186
8.3.2	Simulation Results	192
8.3.2.1	<i>Cell-Cycle Dynamics of PKA and PFK2 Activity</i>	<i>192</i>
8.3.2.2	<i>Influence of Nucleotide Cell-Cycle Dynamics on the Activities of PKA and PFK2.....</i>	<i>196</i>
8.4	Conclusion	201
9	Conclusion and Outlook	203
Appendix A	Synchronous Culture Utilities	210
Appendix B	Calculation of Uptake and Excretion Rates.....	214
Appendix C	Model Documentation.....	217
Appendix D	Calculation of Cell-Cycle Phase Lengths from Population Distributions.....	220
Appendix E	Growth Module	226
References	231