Publications:

Alterations in the transcription factors GntR1 and RamA enhance the growth and central metabolism of Corynebacterium glutamicum
Publication: Research - peer-review › Journal article – Annual report year: 2018

A bacterial cell factory for efficient production of ethanol from whey
Publication: Research › Patent – Annual report year: 2017

High-level production of diacetyl in a metabolically engineered lactic acid bacterium
Publication: Research › Patent – Annual report year: 2017

A novel genetic tool for metabolic optimization of Corynebacterium glutamicum: efficient and repetitive chromosomal integration of synthetic promoter-driven expression libraries
Publication: Research - peer-review › Journal article – Annual report year: 2017

Butanol is cytotoxic to Lactococcus lactis while ethanol and hexanol are cytostatic
Publication: Research - peer-review › Journal article – Annual report year: 2017

Engineering Lactococcus lactis into a cell factory for production of butanol isomers
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Finding the Needle in the Haystack—the Use of Microfluidic Droplet Technology to Identify Vitamin-Secreting Lactic Acid Bacteria
Publication: Research - peer-review › Journal article – Annual report year: 2017

Harnessing the respiration machinery for high-yield production of chemicals in metabolically engineered Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2017

Lipid Biotechnology and Biochemistry
Publication: Research - peer-review › Book chapter – Annual report year: 2017

Metabolic characterization and transformation of the non-dairy Lactococcus lactis strain KF147, for production of ethanol from xylose
Publication: Research - peer-review › Journal article – Annual report year: 2017
Protein from green biomass as a food resource
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Re-wiring of energy metabolism promotes viability during hyperreplication stress in E. coli
Publication: Research - peer-review › Journal article – Annual report year: 2017

Micro-organism for the production of stereo-specific s, s-2,3-butanediol
Publication: Research › Patent – Annual report year: 2016

Acetoin and 2,3 butanediol isomers synthesis in metabolically engineered Lactococcus lactis
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

A novel cell factory for efficient production of ethanol from dairy waste
Publication: Research - peer-review › Journal article – Annual report year: 2016

Biofilm as a production platform for heterologous production of rhamnolipids by the non-pathogenic strain Pseudomonas putida KT2440
Publication: Research - peer-review › Journal article – Annual report year: 2016

Can microbes compete with cows for sustainable protein production - A feasibility study on high quality protein
Publication: Research - peer-review › Journal article – Annual report year: 2016

Combining metabolic engineering and biocompatible chemistry for efficient production of food ingredients
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Combining metabolic engineering and biocompatible chemistry for high-yield production of homo-diacetyl and homo-(S,S)-2,3-butanediol
Publication: Research - peer-review › Journal article – Annual report year: 2016

Draft Genome Sequence of Hymenobacter sp. Strain AT01-02, Isolated from a Surface Soil Sample in the Atacama Desert, Chile
Publication: Research - peer-review › Journal article – Annual report year: 2016

Elucidation of the regulatory role of the fructose operon reveals a novel target for enhancing the NADPH supply in Corynebacterium glutamicum
Publication: Research - peer-review › Journal article – Annual report year: 2016

Integrating biocompatible chemistry and manipulating cofactor partitioning in metabolically engineered Lactococcus lactis for fermentative production of (3S)-acetoin
Publication: Research - peer-review › Journal article – Annual report year: 2016

Pseudomonas putida as a microbial cell factory
Publication: Research › Ph.D. thesis – Annual report year: 2016

Lactic Acid Bacteria as a new platform for sustainable production of fuels and chemicals
Publication: Research › Ph.D. thesis – Annual report year: 2016

Microbial population heterogeneity versus bioreactor heterogeneity: evaluation of Redox Sensor Green as an exogenous metabolic biosensor
Publication: Research - peer-review › Journal article – Annual report year: 2016
Stimulation of acetoin production in metabolically engineered Lactococcus lactis by increasing ATP demand
Publication: Research - peer-review › Journal article – Annual report year: 2016

Synthesis of (3R)-acetoin and 2,3-butanediol isomers by metabolically engineered Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2016

Adaptation of Lactococcus lactis to high growth temperature leads to a dramatic increase in acidification rate
Publication: Research - peer-review › Journal article – Annual report year: 2015

A New Type of YumC-Like Ferredoxin (Flavodoxin) Reductase Is Involved in Ribonucleotide Reduction
Publication: Research - peer-review › Journal article – Annual report year: 2015

High-level ethanol production by metabolically engineered Lactococcus lactis using economically renewable feedstocks
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Increased expression of pyruvate carboxylase and biotin protein ligase increases lysine production in a biotin prototrophic Corynebacterium glutamicum strain
Publication: Research - peer-review › Journal article – Annual report year: 2014

Acetate Kinase Isozymes Confer Robustness in Acetate Metabolism
Publication: Research - peer-review › Journal article – Annual report year: 2014

Development of droplets-based microfluidic systems for single-cell high-throughput screening
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Elucidating Flux Regulation of the Fermentation Modes of Lactococcus lactis: A Multilevel Study
Publication: Research › Ph.D. thesis – Annual report year: 2015

Estimating biological elementary flux modes that decompose a flux distribution by the minimal branching property
Publication: Research - peer-review › Journal article – Annual report year: 2014

Identification of Metabolic Pathways Essential for Fitness of Salmonella Typhimurium In Vivo
Publication: Research - peer-review › Journal article – Annual report year: 2014

Identification of potential drug targets in Salmonella enterica sv. Typhimurium using metabolic modelling and experimental validation
Publication: Research - peer-review › Journal article – Annual report year: 2014

Microbial production of lysine from sustainable feedstock
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Polyamines are essential for virulence in Salmonella enterica serovar Gallinarum despite evolutionary decay of polyamine biosynthesis genes
Publication: Research - peer-review › Journal article – Annual report year: 2014

Processing of biowaste for sustainable products in developing countries
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Screening of lactic acid bacteria for their potential as microbial cell factories for bioconversion of lignocellulosic feedstocks
Publication: Research - peer-review › Journal article – Annual report year: 2014
Synthetic promoter libraries for Corynebacterium glutamicum
Publication: Research - peer-review › Journal article – Annual report year: 2014

Transforming Lactococcus lactis into a microbial cell factory
Publication: Research › Ph.D. thesis – Annual report year: 2014

Characterization of Lactococcus lactis mutants with improved performance at high temperatures and potential dairy applications
Publication: Research › Ph.D. thesis – Annual report year: 2014

Complete Genome Sequence of Pediococcus pentosaceus Strain SL4
Publication: Research - peer-review › Journal article – Annual report year: 2013

Engineering strategies aimed at control of acidification rate of lactic acid bacteria
Publication: Research - peer-review › Journal article – Annual report year: 2012

Investigation of glycerol assimilation and cofactor metabolism in Lactococcus lactis
Publication: Research › Ph.D. thesis – Annual report year: 2013

Optimization of lysine metabolism in Corynebacterium glutamicum
Publication: Research › Ph.D. thesis – Annual report year: 2014

Oxidative Stress at High Temperatures in Lactococcus lactis Due to an Insufficient Supply of Riboflavin.
Publication: Research - peer-review › Journal article – Annual report year: 2013

Repetitive, Marker-Free, Site-Specific Integration as a Novel Tool for Multiple Chromosomal Integration of DNA
Publication: Research - peer-review › Journal article – Annual report year: 2013

Rewiring Lactococcus lactis for Ethanol Production
Publication: Research - peer-review › Journal article – Annual report year: 2013

Stochastic Differential Equations in Artificial Pancreas Modelling
Publication: Research › Ph.D. thesis – Annual report year: 2013

Bioconversion of crude glycerol feedstocks into ethanol by Pachysolen tannophilus
Publication: Research - peer-review › Journal article – Annual report year: 2011

Conversion of the biodiesel by-product glycerol by the non-conventional yeast Pachysolen tannophilus
Publication: Research › Ph.D. thesis – Annual report year: 2012

Draft Genome Sequence of the Yeast Pachysolen tannophilus CBS 4044/NRRL Y-2460
Publication: Research - peer-review › Journal article – Annual report year: 2012

Overnight Control of Blood Glucose in People with Type 1 Diabetes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Polyamines Are Required for Virulence in Salmonella enterica Serovar Typhimurium
Publication: Research - peer-review › Journal article – Annual report year: 2012

Tunable promoters in synthetic and systems biology.
Publication: Research - peer-review › Journal article – Annual report year: 2012
Tuning of Controller for Type 1 Diabetes Treatment with Stochastic Differential Equations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Bacillus subtilis Two-Component System Sensory Kinase DegS Is Regulated by Serine Phosphorylation in Its Input Domain
Publication: Research - peer-review › Journal article – Annual report year: 2011

The construction of a library of synthetic promoters revealed some specific features of strong Streptomyces promoters
Publication: Research - peer-review › Journal article – Annual report year: 2011

Towards a quantitative prediction of the fluxome from the proteome
Publication: Research - peer-review › Journal article – Annual report year: 2011

Protein-Tyrosine Phosphorylation in Bacillus Subtilis Signal Transduction
Publication: Research › Ph.D. thesis – Annual report year: 2010

Bacillus subtilis BY-kinase PtkA controls enzyme activity and localization of its protein substrates
Publication: Research - peer-review › Journal article – Annual report year: 2010

Metabolic and Transcriptional Response to Cofactor Perturbations in Escherichia coli
Publication: Research - peer-review › Journal article – Annual report year: 2010

Phosphoglycerate Mutase Is a Highly Efficient Enzyme without Flux Control in Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2010

The MG1363 and IL1403 Laboratory Strains of Lactococcus lactis and Several Dairy Strains Are Diploid
Publication: Research - peer-review › Journal article – Annual report year: 2010

Control analysis of the purine biosynthesis in Lactococcus lactis
Publication: Research › Poster – Annual report year: 2009

Control analysis of the purine biosynthesis in Lactococcus lactis
Publication: Research › Conference abstract for conference – Annual report year: 2009

DiaCon: an interdisciplinary approach to diabetes control
Publication: Research - peer-review › Poster – Annual report year: 2009

Engineering of Bacillus subtilis 168 for increased nisin resistance
Publication: Research - peer-review › Journal article – Annual report year: 2009

Co-factor engineering in lactobacilli: Effects of uncoupled ATPase activity on metabolic fluxes in Lactobacillus (L.) plantarum and L. sakei
Publication: Research - peer-review › Journal article – Annual report year: 2008

Control analysis of the role of triosephosphate isomerase in glucose metabolism in Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2008

Escherichia coli strains with promoter libraries constructed by Red/ET recombination pave the way for transcriptional fine tuning
Publication: Research - peer-review › Journal article – Annual report year: 2008
Increased biomass yield of Lactococcus lactis during energetically limited growth and respiratory conditions
Publication: Research - peer-review › Journal article – Annual report year: 2008

Online diagnosticering af bacteriofag-inficerede celler
Publication: Communication › Journal article – Annual report year: 2008

Plasmid pCS1966, a new selection/counterselection tool for strain construction in Lactic Acid Bacteria based on the oroP gene encoding an orotate transporter from Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2008

The extent of co-metabolism of glucose and galactose by L. lactis changes with the expression of the lacSZ operon from Streptococcus thermophilus
Publication: Research - peer-review › Journal article – Annual report year: 2008

The Ser/Thr/Tyr phosphoproteome of Lactococcus lactis IL1403 reveals multiple phosphorylated proteins
Publication: Research - peer-review › Journal article – Annual report year: 2008

Bacillus subtilis strain deficient for the protein-tyrosine kinase PtkA exhibits impaired DNA replication
Publication: Research - peer-review › Journal article – Annual report year: 2007

Detection of bacteriophage-infected cells of Lactococcus lactis using flow cytometry
Publication: Research - peer-review › Journal article – Annual report year: 2007

The las enzymes control pyruvate metabolism in Lactococcus lactis during growth on maltose
Publication: Research - peer-review › Journal article – Annual report year: 2007

The serine/threonine/tyrosine phosphoproteome of the model bacterium Bacillus subtilis
Publication: Research - peer-review › Journal article – Annual report year: 2007

A synthetic promoter library for constitutive gene expression in Lactobacillus plantarum
Publication: Research - peer-review › Journal article – Annual report year: 2006

Bacterial single-stranded DNA-binding proteins are phosphorylated on tyrosine.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Control analysis of the importance of phosphoglycerate enolase for metabolic fluxes in Lactococcus lactis subsp. lactis IL1403.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Genetics of Lactococci
Publication: Research - peer-review › Book chapter – Annual report year: 2006

Lactococcus lactis - traditional and GMO strains
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2006

Synthetic promoter libraries- tuning of gene expression.
Publication: Research - peer-review › Journal article – Annual report year: 2006

Control analysis as a tool to understand the formation of the las operon in Lactococcus lactis
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2005
Control analysis as a tool to understand the formation of the las operon in Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2005

In vitro characterization of the Bacillus subtilis protein tyrosine phosphatase YwqE.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Lactococcus lactis - a diploid bacterium.
Publication: Research › Poster – Annual report year: 2005

Nucleotide Metabolism and its Control in Lactic Acid Bacteria
Publication: Research - peer-review › Journal article – Annual report year: 2005

Protein-Tyrosine Phosphorylation in Bacillus subtilis.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Triosephosphate isomerase has no control on the glycolytic flux and metabolic shift in Lactococcus lactis IL1403
Publication: Research - peer-review › Conference abstract in journal – Annual report year: 2005

Tunable promoters in systems biology.
Publication: Research - peer-review › Journal article – Annual report year: 2005

Experimental modulation of gene expression
Publication: Research › Book chapter – Annual report year: 2004

Expression of the pyrG gene determines the pool sizes of CTP and dCTP in Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 2004

Hvad kontrollorer syrningseffektiviteten af den primære starter?
Publication: Research › Journal article – Annual report year: 2004

Kontroanalyse af glykosen i mikrobielle systemer
Publication: Research › Journal article – Annual report year: 2004

Transformation of Leuconostoc carnosum 4010 and evidence for natural competence of the organism
Publication: Research - peer-review › Journal article – Annual report year: 2004

Experimental control analysis of glycolysis in Lactococcus lactis
Publication: Communication › Report – Annual report year: 2003

Glyceraldehyde-3-phosphate dehydrogenase has no control over glycolytic flux in Lactococcus lactis MG1363
Publication: Research - peer-review › Journal article – Annual report year: 2003

Precise determinations of C and D periods by flow cytometry in Escherichia coli K-12 and B/r
Publication: Research - peer-review › Journal article – Annual report year: 2003

The level of glucose-6-phosphate dehydrogenase activity strongly influences xylose fermentation and inhibitor sensitivity in recombinant Saccharomyces cerevisiae strains
A turbo engine with automatic transmission? How to many chemicomotion to the subtleties and robustness of life

Bacteriophage resistance of a Delta thyA mutant of Lactococcus lactis blocked in DNA replication

DNA supercoiling in Escherichia coli is under tight and subtle homeostatic control, involving gene-expression and metabolic regulation of both topoisomerase I and DNA gyrase

Experimental determination of control of glycolysis in Lactococcus lactis

Expression of genes encoding F-1-ATPase results in uncoupling of glycolysis from biomass production in Lactococcus lactis

Generation of a synthetic mammalian promoter library by modification of sequences spacing transcription factor binding sites

Increasing acidification of nonreplicating Lactococcus lactis Delta thyA mutants by incorporating ATPase activity

Kontrol af Metabolisk Flux igennem glykosen hos Laktokokker I

Kontrol af Metabolisk Flux igennem glykosen hos Laktokokker II

Mælesyrebakterier - arv og miljø

Modulation of gene expression made easy

The extent to which ATP demand controls the glycolytic flux depends strongly on the organism and conditions for growth.

The glycolytic flux in Escherichia coli is controlled by the demand for ATP

Totalt regulerbare promotorer i skræddersyede starterkulturer

Hemin reconstitutes proton extrusion in an H+-ATPase-negative mutant of Lactococcus lactis

Lactate dehydrogenase has no control on lactate production but has a strong negative control on formate production in Lactococcus lactis
Twofold reduction of phosphofructokinase activity in Lactococcus lactis results in strong decreases in growth rate and in glycolytic flux.

Hemin reconstitutes the growth of an H+-ATPase negative mutant of Lactococcus lactis.

Investigation of flux control by the demand for ATP on the glycolytic flux in Escherichia coli and Lactococcus lactis.

Is the glycolytic flux in Lactococcus lactis controlled by glycolysis itself?

The B, C and D Cell Cycle periods increase with increasing generation time in slowly growing cultures of Escherichia coli.

The Frequency of Mutators in Populations of Escherichia coli

The membrane-bound H+-ATPase complex is essential for growth of Lactococcus lactis.

What controls the growth rate of Escherichia coli? Is it transport after all?

Extensive regulation compromises the extent to which DNA gyrase controls DNA supercoiling and growth rate of Escherichia coli.

Metode til begrænsning af mikroorganismers produktdannelse

A METHOD OF IMPROVING THE PRODUCTION OF BIOMASS OR A DESIRED PRODUCT FROM A CELL

Artificial promoter libraries for selected organisms and promoters derived from such libraries

Artificial Promoters for Metabolic Optimization

atp mutants of Escherichia coli fail to grow on succinate due to a transport deficiency

Experimental strategies to determine the control of glycolysis in Lactococcus lactis

Growth of Escherichia coli on C4-dicarboxylates is significantly controlled by the C4-dicarboxylate transporter
Hierarchical control of DNA supercoiling
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Hierarchical Control of the H⁺-ATPase on cytochrome expression in Escherichia coli
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Modeling of free-energy metabolism in Lactococcus lactis
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Synthetic promoters for experimental control analysis
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

Synthetic promoters for Metabolic Engineering
Publication: Research - peer-review › Article in proceedings – Annual report year: 1998

The glycolytic flux in E. coli appears to be controlled by the demand for ATP
Publication: Research - peer-review › Book chapter – Annual report year: 1998

Thermodynamics of complexity: The live Cell
Publication: Research - peer-review › Journal article – Annual report year: 1998

The sequence of spacers between the consensus sequences modulates the strength of procaryotic promoters
Publication: Research - peer-review › Journal article – Annual report year: 1998

Hierarchical control of electron-transfer
Publication: Research - peer-review › Article in proceedings – Annual report year: 1997

A method of converting ATP into ADP in a living cell
Publication: Research › Patent – Annual report year: 1996

Changes in the cellular energy state affect the activity of the bacterial phosphotransferase system
Publication: Research - peer-review › Journal article – Annual report year: 1996

Control of DNA supercoiling in the procaryotic cell.
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

DNA supercoiling depends on the phosphorylation potential in Escherichia coli.
Publication: Research - peer-review › Journal article – Annual report year: 1996

Low control by proton leak on the efficiency of oxidative phosphorylation in E. coli.
Publication: Research - peer-review › Article in proceedings – Annual report year: 1996

Energy buffering of DNA structure fails when Escherichia coli runs out of substrate
Publication: Research - peer-review › Journal article – Annual report year: 1995

Energy, control and DNA structure in the living cell
Publication: Research - peer-review › Journal article – Annual report year: 1995

Experimental determination of control by the H⁺-ATPase in Escherichia coli
Publication: Research - peer-review › Journal article – Annual report year: 1995
Hierarchies in control
Publication: Research - peer-review › Journal article – Annual report year: 1995

Molecular biology for flux control
Publication: Research - peer-review › Conference article – Annual report year: 1995

Structure and partitioning of bacterial DNA: determined by a balance of competition and expansion forces?
Publication: Research - peer-review › Journal article – Annual report year: 1995

Control and Regulation: The best of two worlds
Publication: Research - peer-review › Journal article – Annual report year: 1994

Control of Dynamics and Steady state; theory and applications to multidrug resistance
Publication: Research - peer-review › Book chapter – Annual report year: 1994

How to determine control of growth rate in a chemostat. Using metabolic control analysis to resolve the paradox
Publication: Research - peer-review › Journal article – Annual report year: 1994

Modelling of Oxidative Phosphorylation in E. coli
Publication: Research - peer-review › Book chapter – Annual report year: 1994

Control analysis of the dependence of Escherichia coli physiology on the H+ -ATPase
Publication: Research - peer-review › Journal article – Annual report year: 1993

Excess capacity of H+ ATPase and inverse respiratory control in Escherichia coli
Publication: Research - peer-review › Journal article – Annual report year: 1993

Minimal requirements for exponential growth of Lactococcus lactis
Publication: Research - peer-review › Journal article – Annual report year: 1993

Modulation of cellular energy state and DNA supercoiling in E. coli
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

Multiplicity of control
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

Nonlinear control and self-organisation
Publication: Research - peer-review › Article in proceedings – Annual report year: 1993

The use of lac-type promoters in control analysis
Publication: Research - peer-review › Journal article – Annual report year: 1993

Carbon and energy metabolism of atp mutants of Escherichia coli
Publication: Research - peer-review › Journal article – Annual report year: 1992

Uncoupler resistance in E. coli Tuv and Cuv is due to the exclusion of uncoupler by the outer membrane
Publication: Research - peer-review › Journal article – Annual report year: 1990

Projects:
Production of therapeutic proteins in Lactococcus lactis
Project: PhD

Improving the thermotolerance of the mesophilic starter
Project: PhD

Improving the thermotolerance of the mesophilic starter
Project: PhD

ALLEVIATE - A novel strategy for food allergy prevention and treatment
Project

Biofuels of the future - Development of a Lactic Acid Bacteria platform for sustainable production of higher alcohols
Project: PhD

Bioconversion of Lignocellulose to Free Fatty Acids Using Yeast
Project: PhD

Lactic Acid Bacteria as cell factories
Project: PhD

Lysine production in Gram-positive bacteria
Project: PhD

Protein production in Gram-positive bacteria under adverse conditions
Project: PhD

Development of new diagnostic technologies
Project: PhD

Metabolic optimization of Corynebacterium glutamicum for enhanced lysine production
Project: PhD

Production of organic acids in Gram-positive bacteria
Project: PhD

Improving second generation biorefinery processes using clues from stress response in Lactococcus lactis
Project: PhD

The potential of Lactic Acid Bacteria as microbial factory for pentanol isomer production
Project: PhD

Lactic Acid Bacteria as a new platform for sustainable production of biochemicals
Project: PhD

Elucidating and comparing flux regulation across bacterial species
Project: PhD

Characterization of a high-temperature adaptive Lactococcus lactis mutant and its application in milk fermentation
Project: PhD
Transforming Lactococcus lactis into a microbial cell factory  
Project: PhD

Biofuels production in yeast  
Project: PhD

Enzyme Immobilisation and Bioprocessing  
Project: PhD

A Microbial Platform based on Non-Conventional Yeasts  
Project: PhD

Pseudomonas species as a platform for biofuels and biochemicals  
Project: PhD

Lactococcus lactis as microbial platform for production of biochemicals  
Project: PhD

Comparative Systems Biology  
Project: PhD

Modningsforløbet i ostekorn, analyseret for lactococcus stammer med flere kromosomer  
Project: PhD

A systematic approach to identify new targets for control of pathogenic bacteria  
Project: PhD

Stokastisk dynamisk modellering til kort-tidsregulering af glukose/insulin-metabolismen  
Project: PhD

Development of Model Systems for the Biodegradation of Glycerol  
Project: PhD

Optimering af fermenteringsprocessen til lysin produktion  
Project: PhD

Udvikling af mikroorganismer til biobrændselsproduktion  
Project: PhD

Protein-Tyrosine Phosphorylation in Bacillus Subtilis Signal Transduction  
Project: PhD

Analysis of insulin binding by systematic amino acid scanning mutagenesis Importance of insulin B chain residues for receptor isoform binding  
Project: PhD

Brug af Bacillus Subtilis til Produktion af et naturligt aromastof  
Project: PhD
Kontroanalys af ethanol produktion i Saccharomyces Cerevisiae
Project: PhD

Kontrol analyse af ethanol produktion i Saccharomyces cerevisiae
Project

The role of post-transitional modifications in the control of carbon metabolism of Gram positive bacteria
Project

Mælk - diagnosticering af bakteriofaginficerede celler i syrningsprocesser
Project

Mælk, symingsaktivitet af den primære starter
Project

Kontrol af Biofilmddannelse
Project: PhD

Energifikalismen i mælkesyrebakterier
Project: PhD

Starter cultures with universal resistance against bacteriophages
Project

Udvikling af bakterielle strukturer med universel resistens mod bakteriofag infektion
Project: PhD

Generation and evaluation of artificial mammalian promoters for in vivo expression of therapeutic genes
Project: PhD

Energy metabolism and stress in Lactococcus lactis
Project

Acidification by Lactic Acid Bacteria
Project

Forøget laktat dannelse i mælkesyrebakterier
Project: PhD

Improvement of the ethanol yield of hemicellulose degrading bacteria
Project: PhD

Control of Metabolic flux through glycolysis in L. lactis
Project

Metabolisk kontrol-analyse af glykolysen i lactococcus lactis
Project: PhD

Synthetic promoters for control analysis and metabolic engineering
Project
Control and Regulation of DNA supercoiling in *E. coli*
Project

Hierarchical Control Analysis of free-energy metabolism in *E. coli*
Project

DNA supercoiling and Nucleoid structure in *E. coli*
Project

*E. coli* cell cycle in chemostat cultures
Project

Press clippings:

*Vedr nye nature artikler om biologisk containment*
Press / Media

*Pressekontakt - Mikrobiel production af protein*
Press / Media

*Development of mucosal delivery system of therapeutic proteins for colorectal cancer using lactic acid bacteria*
Press / Media

*Pressekontakt - Mikrobiel production af protein*
Press / Media