Research outputs:

**Liposome accumulation in irradiated tumors display important tumor and dose dependent differences**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Remote loading of liposomes with a 124I-radiiodinated compound and their in vivo evaluation by PET/CT in a murine tumor model**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Remote-loading of liposomes with manganese-52 and in vivo evaluation of the stabilities of $^{52}$Mn-DOTA and $^{64}$Cu-DOTA using radiolabelled liposomes and PET imaging**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Applying fluorescence correlation spectroscopy to investigate peptide-induced membrane disruption**
Research output: Research - peer-review › Book chapter – Annual report year: 2017

**Acylation of Therapeutic Peptides: Interaction with Lipid Membranes and its Implications in Oral Delivery**

**An ATP Binding Cassette Transporter Mediates the Uptake of α-(1,6)-Linked Dietary Oligosaccharides in *Bifidobacterium* and Correlates with Competitive Growth on These Substrates**
Research output: Research - peer-review › Journal article – Annual report year: 2016

**In vivo Evaluation of PEGylated $^{64}$Cu-liposomes with Theranostic and Radiotherapeutic Potential using Micro PET/CT**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Adsorption of Cationic Peptides to Solid Surfaces of Glass and Plastic**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Facing the Design Challenges of Particle-Based Nanosensors for Metabolite Quantification in Living Cells**
Research output: Research - peer-review › Journal article – Annual report year: 2015

**Monocyte targeting and activation by cationic liposomes formulated with a TLR7 agonist**
Research output: Research - peer-review › Journal article – Annual report year: 2015
Positron Emission Tomography Based Elucidation of the Enhanced Permeability and Retention Effect in Dogs with Cancer Using Copper-64 Liposomes
Research output: Research - peer-review › Journal article – Annual report year: 2015

Remote Loading of Cu^{2+} into Liposomes without the Use of Ion Transport Enhancers
Research output: Research - peer-review › Journal article – Annual report year: 2015

Single-vesicle detection and analysis of peptide-induced membrane permeabilization
Research output: Research - peer-review › Journal article – Annual report year: 2015

Design, calibration and application of broad-range optical nanosensors for determining intracellular pH.
Research output: Research - peer-review › Journal article – Annual report year: 2014

Quantification of leakage from large unilamellar lipid vesicles by fluorescence correlation spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2014

Side Chain Hydrophobicity Modulates Therapeutic Activity and Membrane Selectivity of Antimicrobial Peptide Mastoparan-X
Research output: Research - peer-review › Journal article – Annual report year: 2014

Cationic liposomal drug delivery system for specific targeting of human cd14+ monocytes in whole blood
Research output: Research › Patent – Annual report year: 2013

Quantitative single-vesicle analysis of antimicrobial peptide-induced leakage
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

Quantitative studies of antimicrobial peptide-lipid membrane interactions
Research output: Research › Ph.D. thesis – Annual report year: 2014

Quantitative Studies of Antimicrobial Peptide Pore Formation in Large Unilamellar Vesicles by Fluorescence Correlation Spectroscopy (FCS)
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

The Possible "Proton Sponge " Effect of Polyethyleneimine (PEI) Does Not Include Change in Lysosomal pH.
Research output: Research - peer-review › Journal article – Annual report year: 2012

A GALA lipopeptide mediates pH- and membrane charge dependent fusion with stable giant unilamellar vesicles
Research output: Research - peer-review › Journal article – Annual report year: 2012

Charge triggering of self-organized nanoparticles
Research output: Research › Patent – Annual report year: 2012

Development of Plasmid-Lipoparticle Systemic Delivery System That Overcome the Paradox of PEG-Stabilization While Maintaining High Transfection Potency
Research output: Research - peer-review › Poster – Annual report year: 2012

Entrapment of Radionuclides in Nanoparticle Compositions
Research output: Research › Patent – Annual report year: 2012

Polymeric gel nanoparticle pH sensors for Expanding the dynamic measurement range for intracellular pH-measurements by polymeric nanoparticle sensors
Positron emission tomography evaluation of somatostatin receptor targeted (64)Cu-TATE-liposomes in a human neuroendocrine carcinoma mouse model.
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2012

Targeting monocytes using a novel liposome based delivery system
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2012

64Cu loaded liposomes as positron emission tomography imaging agents
Research output: Research - peer-review › Journal article – Annual report year: 2011

Evaluating Nanoparticle Sensor Design for Intracellular pH Measurements
Research output: Research - peer-review › Journal article – Annual report year: 2011

Loading technique for preparing radionuclide containing nanoparticles
Research output: Research › Patent – Annual report year: 2012

Membrane fusion of pH-sensitive liposomes – a quantitative study using giant unilamellar vesicles
Research output: Research - peer-review › Journal article – Annual report year: 2011

Polymeric gel nanoparticle pH sensors for intracellular measurements
Research output: Research - peer-review › Poster – Annual report year: 2011

Selective Acylation Enhances Membrane Charge Sensitivity of the Antimicrobial Peptide Mastoparan-X
Research output: Research - peer-review › Journal article – Annual report year: 2011

Thermodynamic and biological evaluation of a thrombin binding aptamer modified with several unlocked nucleic acid (UNA) monomers and a 2′-C-piperazino-UNA monomer
Research output: Research - peer-review › Journal article – Annual report year: 2011

Thermodynamic profiling of Peptide membrane interactions by isothermal titration calorimetry: a search for pores and micelles.
Research output: Research - peer-review › Journal article – Annual report year: 2011

Understanding Detergent Effects on Lipid Membranes: A Model Study of Lysolipids
Research output: Research - peer-review › Journal article – Annual report year: 2010

Universal Behavior of Membranes with Sterols
Research output: Research - peer-review › Journal article – Annual report year: 2006

Measurement of membrane elasticity by micro-pipette aspiration
Research output: Research - peer-review › Journal article – Annual report year: 2004

Vesicle fluctuation analysis of the effects of sterols on membrane bending rigidity
Research output: Research - peer-review › Journal article – Annual report year: 2004

Thermal undulations of quasi-spherical vesicles stabilized by gravity
Research output: Research - peer-review › Journal article – Annual report year: 2002

Phase transitions and steady-state microstructures in a two-temperature lattice-gas model with mobile active impurities
Research output: Research - peer-review › Journal article – Annual report year: 2000
Projects:

Intrinsic radiolabelling of pretargeted gold surface nanoparticles for antimetastatic therapy  
Project: PhD

Investigations of Compositions and Fluid-Fluid Association Mechanisms for Petroleum Fluids  
Project: PhD

Formulation of Radionuclides and Organometallic Anticancer Compounds in Gels and Liposomes  
Project: PhD

Remote loading strategies for incorporation of therapeutic compounds and contrast agents into gels and liposomes  
Project: PhD

Liquid Fiducial Markers for Potentiation of Radiotherapy  
Project: PhD

Liposome based chemopainting in cancer radiotherapy  
Project: PhD

Implications of membrane interactions of acylated peptides in oral drug delivery  
Project: PhD

Termoelasticitet og Dynamik af Membraner og Makromolekyler  
Project: PhD

Liposome based radiosensitizer cancer therapy  
Project: PhD

Development of radioisotope labeling methods for nanoparticle contrast agents  
Project: PhD