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Research outputs:

Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions
Research output: Research - peer-review › Journal article – Annual report year: 2018

Remote loading of liposomes with a 124I-radioiodinated 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 $^{52}\text{Mn-DOTA}$ and $^{64}\text{Cu-DOTA}$ using radiolabelled liposomes and PET imaging
Research output: Research - peer-review › Journal article – Annual report year: 2018

Neodymium-140 DOTA-LM3: Evaluation of an In Vivo Generator for PET with a Non-Internalizing Vector
Research output: Research - peer-review › Journal article – Annual report year: 2017

Optimized procedures for manganese-52: Production, separation and radiolabeling
Research output: Research - peer-review › Journal article – Annual report year: 2017

PET imaging with copper-64 as a tool for real-time in vivo investigations of the necessity for crosslinking of polymeric micelles in nanomedicine: Imaging the influence of polymeric micelle crosslinking
Research output: Research - peer-review › Journal article – Annual report year: 2017

Tissue factor targeted radionuclide therapy with $^{177}\text{Lu-FVIIa}$ inhibits tumor growth of human pancreatic cancer xenografts
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2017

A Mouse Positron Emission Tomography Study of the Biodistribution of Gold Nanoparticles with Different Surface Coatings Using Embedded Copper-64
Research output: Research - peer-review › Journal article – Annual report year: 2016

Stable and high-yielding intrinsic $^{59}\text{Fe-radiolabeling}$ of the intravenous iron preparations Monofer and Cosmofer: Intrinsic 59Fe-radiolabeling of Monofer and Cosmofer
Research output: Research - peer-review › Journal article – Annual report year: 2016

Transferrin receptor expression and role in transendothelial transport of transferrin in cultured brain endothelial monolayers
Research output: Research - peer-review › Journal article – Annual report year: 2016
Automated synthesis and PET evaluation of both enantiomers of [18F]FMISO
Research output: Research - peer-review › Journal article – Annual report year: 2014

Bringing Radiotracing to Titanium-Based Antineoplastics: Solid Phase Radiosynthesis, PET and ex Vivo Evaluation of Antitumor Agent [45Ti](salan)Ti(dipic)
Research output: Research - peer-review › Journal article – Annual report year: 2015

Decay induced de-chelation of positron-emitting electron-capture daughters and its use in preclinical PET
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Design and synthesis of new octadentate macrocyclic chelators for 89Zr
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

The impact of weakly bound 89Zr on preclinical studies: Non-specific accumulation in solid tumors and aspergillus infection
Research output: Research - peer-review › Journal article – Annual report year: 2015

Auger Emitter Based Radiotherapy- A Possible New Treatment for Cancer
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Biodistribution of 89Zr-oxalate in tumor bearing mice
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2014

Positron Emission Tomography Based Analysis of Long-Circulating Cross-Linked Triblock Polymeric Micelles in a U87MG Mouse Xenograft Model and Comparison of DOTA and CB-TE2A as Chelators of Copper-64
Research output: Research - peer-review › Journal article – Annual report year: 2014

Preparation of [45Ti] Ti-salan-dipic
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2014

An in-vivo PET study of DOTA vs. CB-TE2A and the effect of crosslinking using core-crosslinked ny triblock polymeric micelles labeled with Cu-64 in the shell-region
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2013

PET imaging of liposomes labeled with an [18F]-fluorocholesteryl ether probe prepared by automated radiosynthesis
Research output: Research - peer-review › Journal article – Annual report year: 2012

Radiolabeling of liposomes and polymeric micelles with PET-isotopes
Research output: Research › Ph.D. thesis – Annual report year: 2013

Homogeneous Nucleophilic Radiofluorination and Fluorination with Phosphazene Hydrofluorides
Research output: Research - peer-review › Journal article – Annual report year: 2011

Projects:

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

Development of advanced drug delivery systems for therapeutic radionuclides in cancer treatment
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

In vivo trafficking of liposome labelled by novel [18F]-phospholipid probes
Project: PhD

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