Research outputs:

Limits to anatomical accuracy of diffusion tractography using modern approaches
Research output: Research - peer-review › Journal article – Annual report year: 2018

Imaging brain microstructure with diffusion MRI: Practicality and applications: practicality and applications
Research output: Research - peer-review › Journal article – Annual report year: 2018

Magnetic resonance temporal diffusion tensor spectroscopy of disordered anisotropic tissue
Research output: Research - peer-review › Journal article – Annual report year: 2018

The porcine corticospinal decussation: A combined neuronal tracing and tractography study
Research output: Research - peer-review › Journal article – Annual report year: 2018

Validation strategies for the interpretation of microstructure imaging using diffusion MRI
Research output: Research - peer-review › Journal article – Annual report year: 2018

Image quality transfer and applications in diffusion MRI
Research output: Research - peer-review › Journal article – Annual report year: 2017

Disability in progressive MS is associated with T2 lesion changes
Research output: Research - peer-review › Journal article – Annual report year: 2018

Effects of imaging gradients in sequences with varying longitudinal storage time-Case of diffusion exchange imaging
Research output: Research - peer-review › Journal article – Annual report year: 2017

Short parietal lobe connections of the human and monkey brain
Research output: Research - peer-review › Journal article – Annual report year: 2018

Thalamocortical Connectivity and Microstructural Changes in Congenital and Late Blindness
Research output: Research - peer-review › Journal article – Annual report year: 2017

The challenge of mapping the human connectome based on diffusion tractography
Research output: Research - peer-review › Journal article – Annual report year: 2017

The Crossed Projection to the Striatum in Two Species of Monkey and in Humans: Behavioral and Evolutionary Significance
Research output: Research - peer-review › Journal article – Annual report year: 2016
Individual Differences in the Alignment of Structural and Functional Markers of the V5/MT Complex in Primates
Research output: Research - peer-review › Journal article – Annual report year: 2016

Single-Shot-RARE for rapid 3D hyperpolarized metabolic ex vivo tissue imaging: RF-pulse design for semi-dense spectra
Research output: Research - peer-review › Poster – Annual report year: 2016

Using Diffusion Tactography to Predict Cortical Connection Strength and Distance: A Quantitative Comparison with Tracers in the Monkey
Research output: Research - peer-review › Journal article – Annual report year: 2016

An Ex Vivo Imaging Pipeline for Producing High-Quality and High-Resolution Diffusion-Weighted Imaging Datasets
Research output: Research - peer-review › Journal article – Annual report year: 2011

Modelling Brain Tissue using Magnetic Resonance Imaging
Research output: Research › Ph.D. thesis – Annual report year: 2008

Segmentation of age-related white matter changes in a clinical multi-center study
Research output: Research - peer-review › Journal article – Annual report year: 2008

Validation of in vitro probabilistic tractography
Research output: Research - peer-review › Journal article – Annual report year: 2007

Segmentation of Age-Related White-Matter Changes in a large-scale, multi-centre study
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Semi-Quantitative Assessment of Inflammation in dMRI using Data Mining Techniques
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Semi-Quantitative Assessment of Inflammation in dMRI using Data Mining Techniques
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Standardizing MR image Intensity In Multi-Center Studies
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

The prefrontal cortex of the Göttingen minipig brain defined by neural projection criteria and cytoarchitecture
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Validation of Diffusion Tensor Imaging for in vivo tracing of cortico-thalamic projections in the Göttingen minipig brain
Research output: Research - peer-review › Article in proceedings – Annual report year: 2005

Projects:

Identification of new brain areas involved in body weight control and appetite regulation
Project: PhD

Biomedical modelling of the brain network using MRI
Project: PhD

Multi-modal microstructure imaging of biological tissue
Project: PhD
Cryogenic Single and Array Coils for Magnetic Resonance Systems
Project: PhD

Quantitative evaluation of peptide analogue distribution in mouse tissue using 3D computer modelling
Project: PhD

Kvantitativ tractografi: Statistisk modellering af hjernens neurale forbindelser med diffusion tensor imaging
Project: PhD

Computational modeling of MR/PET in brain tumor patients for optimized radiation therapy planning
Project: PhD

Modeling Structural Brain Connectivity
Project: PhD

Determination of magnetic resonance imaging biomarkers for multiple sclerosis treatment effects
Project: PhD

Mapping the functional integration in the human basal ganglia by means of multi-modal magnetic resonance imaging
Project: PhD