

Special Issue

Next Generation of MRI Agents

Message from the Guest Editors

Contrast agents have served an essential role in the development and clinical translation of magnetic resonance imaging (MRI) during the last 40 years. The first agents developed in the 1980s were designed to change the MR image contrast to identify anatomical features, such as solid tumors that had enhanced the uptake of nonspecific tracers. These agents are still commonly used for qualitative assessments of many clinical pathologies. These nonspecific tracer agents began to be temporally monitored in the 1990s as an agent was intravenously injected, then flowed through the vasculature and eventually permeated into the tissue of interest, such as a kidney or tumor. Semiquantitative and quantitative evaluations of the pharmacokinetics of these agents provided functional information, especially for studies in cardiology and oncology.

Guest Editors

Prof. Dr. Andre F. Martins

1. Werner Siemens Imaging Center, Department of Preclinical Imaging and Radiopharmacy, Eberhard Karls University Tübingen, 72076 Tübingen, Germany
2. Cluster of Excellence iFIT (EXC 2180) "Image-Guided and Functionally Instructed Tumor Therapies", University of Tuebingen, 72076 Tübingen, Germany
3. German Cancer Consortium, DKFZ Partner Site Tübingen, 72076 Tübingen, Germany

Dr. Mark Pagel

MD Anderson Cancer Center, University of Texas, Houston, TX, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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