Special Issue

Applications of Magnetic Resonance (MR)-Based Metabolic Imaging in Medicine

Message from the Guest Editors

In this Special Issue, we aim to show the readers some of the advances in metabolic imaging and translational research in metabolism. State-of-the-art technologies and methodologies to monitor metabolic disorders are currently available. However, significant challenges still lie in the accurate detection of metabolites in vivo and the lack of cross-validating applications. Thus, we intend to show recent advances in the field of metabolic imaging including applications in the fundamental sciences and examples of translational research in metabolism. We also invite the scientific community to discuss new challenges and innovations in metabolic analysis, metabolomics, metabolic probe development and current open-source software. Dr. André Martins

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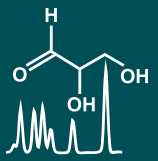

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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