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Techniques for Estimating Bone Metabolic Flux

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Message from the Guest Editors

[¹⁸F] Sodium fluoride positron emission tomography ([¹⁸F]NaF PET) is an advanced molecular imaging technique. It serves as a valuable surrogate marker for assessing bone formation rates at clinically significant skeletal sites.

The main objective of this Special Issue is to disseminate the latest advancements in techniques used for estimating bone metabolic flux. This encompasses a wide spectrum of research areas, including diagnostic applications, evaluating treatment responses, and conducting comparative analyses of various methods for assessing bone metabolic flux. We are particularly interested in studies that investigate the comparative aspects of [¹⁸F]NaF PET with other modalities, such as single-photon emission computed tomography (SPECT), and alternative tracers such as [¹⁸F] fluorodeoxyglucose. Additionally, we welcome studies that validate PET findings through bone biopsy procedures. We extend a warm invitation to researchers engaged in investigations related to modeling and estimating bone metabolism, both in clinical and pre-clinical settings.



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Special Issue



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Editor-in-Chief

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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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