

## Topical Collection

# Nuclear Medicine and Molecular Imaging Technology

### Message from the Collection Editor

Nuclear medicine and molecular imaging uses radioactive substances called radiopharmaceuticals to evaluate the function of organs and/or tissues, or to examine for the presence of disease and characterize disease. These types of technologies often have an advantage over other types of diagnostic imaging in that they provide information that is unattainable with other imaging technologies or that would require more invasive procedures, such as biopsy or surgery. In contrast to the latter procedures, molecular imaging elegantly circumvents the risk of sampling error as the whole body is imaged. Characterization of disease by molecular imaging may serve as companion diagnostic for selecting patients eligible for specific therapies and, together with targeted radionuclide therapy, form a theranostic pair. This Topical Collection aims to collect original works related to nuclear medicine and molecular imaging research.

*Collection Editor*

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### Collection Editor

Prof. Dr. Andreas Kjaer

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## Diagnostics

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### Editor-in-Chief

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