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Next Generation Radiopharmaceuticals for PET-Based Diagnostics

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Deadline for manuscript submissions:
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Message from the Guest Editors

Recently, facing the growing need for in vivo molecular characterization as companion tools for targeted therapies as well as the new boom of the theranostic approach, PET radiopharmaceuticals have been increasingly developed as a tool for not only imaging tumors or other disease processes but also elucidating various complex biological mechanisms of tumors and metabolic and neurogenerative diseases. To allow the development of these next generation radiopharmaceuticals, new strategies have been developed. In this special issue we will discuss various new PET radiopharmaceuticals, ranging from molecular targeting strategies, pharmacokinetics optimization, development of convenient radiosynthesis, in vitro and in vivo characterization, up to their clinical applications in diagnosis.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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