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Small Molecule Near Infrared Contrast Agents: Synthesis and Applications

Guest Editor:

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Deadline for manuscript submissions:
closed (31 March 2020)

Message from the Guest Editor

Dear Colleagues,

Near-Infrared (NIR) absorbing fluorophores have become important as diagnostic and therapeutic agents in the field of tumor research, with the number of related publications having skyrocketed throughout the last few years. The utilization of the NIR spectral region (650–900 nm) is advantageous due to the inherently lower background interference, which makes it well suited for techniques analyzing high complexity samples and for many applications.

This Special Issue is focusing on “Small Molecule NIR Contrast Agents” within topic-related chapters, dealing with all aspects, such as synthesis, structure, complexity, optical properties, reactivity, stability and applications in material science, imaging, biomedical, and bioanalytical applications. Review articles by experts in the field will also be welcome.

Prof. Maged Henary
Guest Editor

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Editor-in-Chief

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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