

Special Issue

External Stimuli-Responsive Nanomaterials for Diagnosis and Treatment

Message from the Guest Editor

In the last few decades, nanotechnology has made significant advances in the prevention and treatment of human diseases, providing innovative tools for precision medicine by exploiting size, shape, and composition-related properties of nanoscale materials. In particular, in the field of minimally invasive strategies, nanomaterials triggered by external stimuli (such as light, ultrasound, X-rays and magnetic fields) have shown great potential for improving diagnosis and treatment of numerous diseases - including tumors, cardiovascular, neurological and infectious diseases - addressing the challenges of overcoming the current limits of the standards of care and detection. In this Special Issue for *IJMS*, we will focus on the latest advances in the field of external stimuli-mediated nanoteranostics. Research papers and up-to-date review articles - which generally refers to the applications of nanotechnology in photo-/ultrasound-/radiation-/magnetism-mediated therapy, early-stage detection and imaging - are welcome.

Guest Editor

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