International Journal of
Molecular Sciences

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Frontiers in Chemical Tools for Targeted Cancer Therapy

Guest Editor:

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Deadline for manuscript submissions:
closed (31 May 2022)

Message from the Guest Editor

To expand our knowledge about signaling the researchers need instruments that selectively interact with individual cellular targets. Calling these instruments the exogenous cues we expect the specific cellular replies. Therapeutically speaking, our instruments represent the mechanism-based drug candidates.This volume as a compendium of novel trends in chemistry and biology of antitumor agents (mostly, but not exclusively, low molecular weight compounds). New and established targets will be evaluated from the perspective of engagement by chemical instruments. Therefore studies of *in silico* and experimental interactions of drug candidates with tentative or established targets are welcome. Most importantly, what are the results of these interactions at the subcellular and cellular levels and in the clinic? Finally, of the exceptional value is critical re-evaluation of targeted anticancer treatment via dissection of this concept's pros and contras.

Keywords:

- intracellular signaling
- cancer
- chemotherapy
- molecular targets
- drug design
- computational chemistry

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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

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