

Special Issue

Advances in Single Domain-Based Antibodies

Message from the Guest Editor

This Special Issue on “Single Domain-Based Antibodies” aims to highlight recent advances, promises, and challenges in the field of a variety of actual issues related to generation, formatting, and different new applications of single-domain antibodies and their derivatives. Potential topics include but are not limited to the following:

- sdAbs for an analysis of biomarkers associated with a cancer or another disease development;
- Making di- and multimeric sdAb-derivatives as well as sdAb-conjugates and immunotoxins with a special focus on site-specific attachment of effector molecules;
- sdAbs to fight infections
- New efficient methods for the generation of sdAbs with required features
- Bispecific sdAb-constructs facilitating connections of cytotoxic cells of the immune system with cancer cells or blocking cytokines in a tissue-specific manner;
- sdAbs-based intrabodies and tracers for in vivo fluorescence imaging and image-guided surgery;
- Anti-idiotypic sdAbs mimicking certain epitopes of various target antigens, mimicking natural enzymes;
- New sdAb-based promising substances for theranostics and therapeutics.

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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