

Special Issue

Next-Generation Targeted Therapy: vNARs as Drug Carriers and Intracellular Neutralizing Agents

Message from the Guest Editors

vNAR single-domain antibodies, originally isolated from sharks, have emerged as a revolutionary tool for drug carriers and intracellular neutralizing agents for human diseases. vNARs are a small natural antibody domain with antigen recognition capacity and unique features, such as compact size (approximately 12-15 kDa), exceptional thermal and chemical stability, high affinity, high solubility, and access to cryptic epitopes. These remarkable characteristics suggest that vNAR application may be suitable for drug delivery and intracellular neutralization, offering unparalleled opportunities across diverse scientific disciplines, including nanotechnology, biomedicine, drug delivery, biosensing, intrabodies, payload, and imaging. This Special Issue aims to unlock the full therapeutic and diagnostic power of vNAR single-domain antibodies, ultimately benefiting global health and advancing biomedical science.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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