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Scavenger Receptor Structure and Function in Health and Disease

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Message from the Guest Editors

Scavenger receptors (SR) are defined as a large and structurally diverse group of innate immune receptors with a broad binding specificity, allowing them to participate in a wide range of basic homeostatic functions. They typically bind to multiple ligands (namely, those of a polyanionic nature) and promote the recognition and removal of non-self (e.g., microbial) and/or altered-self (e.g., oxidized or acetylated lipoproteins) noxious structures. They present as membrane-bound and/or soluble receptors expressed by cells of hematopoietic (myeloid, lymphoid) and/or non-hematopoietic (e.g., epithelial, endothelial) origin.

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