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Autore	Kutikhin Anton G
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Nota di contenuto	The Biology of Toll-like Receptors and NOD-like Receptors: Toggles of Inflammation -- Pattern Recognition Receptors, Gene Polymorphisms, and Cancer: A Double-Edged Sword -- Structural Genomic Variation in Toll-Like Receptor 4 and Cancer -- Structural Genomic Variation in Other Toll-like Receptors and Cancer -- Structural Genomic Variation in Toll-Like Receptor Signaling Pathway and Cancer -- Structural Genomic Variation in Toll-like Receptor Pathway and Prostate Cancer -- Structural Genomic Variation in NOD-Like Receptors and Cancer -- Structural Genomic Variation in Pattern Recognition Receptors and

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Sommario/riassunto	This book offers comprehensive information on the polymorphisms of genes encoding pattern recognition receptors (PRRs). Following a short description of the general role of PRRs in the immune system, the structure and function of Toll-like and NOD-like receptors are examined in detail. The main focus is on the role of inherited variation in PRRs and their correlation to cancer and cardiovascular diseases. A review of all epidemiological investigations is included, and a concept of genomic risk markers for the prevention of various diseases is also discussed.