Record Nr. UNINA9910349266503321 Biomarkers in Kidney Disease [[electronic resource] /] / edited by **Titolo** Vinood B. Patel, Victor R. Preedy Pubbl/distr/stampa Dordrecht:,: Springer Netherlands:,: Imprint: Springer,, 2020 **ISBN** 94-007-7743-4 Descrizione fisica 1 online resource (Approx. 800 p. 50 illus.) Collana Biomarkers in Disease: Methods, Discoveries and Applications, , 2542-3657 614.5999 Disciplina Soggetti Cancer research Oncology Pharmacology Cancer Research Oncology Pharmacology/Toxicology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Endocrinology -- Addictions -- Immunology -- Genetics. Nota di contenuto Sommario/riassunto In the past decade there has been a major sea change in the way disease is diagnosed and investigated due to the advent of high throughput technologies, such as microarrays, lab on a chip, proteomics, genomics, lipomics, metabolomics etc. These advances have enabled the discovery of new and novel markers of disease relating to autoimmune disorders, cancers, endocrine diseases, genetic

disease is diagnosed and investigated due to the advent of high throughput technologies, such as microarrays, lab on a chip, proteomics, genomics, lipomics, metabolomics etc. These advances have enabled the discovery of new and novel markers of disease relating to autoimmune disorders, cancers, endocrine diseases, genetic disorders, sensory damage, intestinal diseases etc. In many instances these developments have gone hand in hand with the discovery of biomarkers elucidated via traditional or conventional methods, such as histopathology or clinical biochemistry. Together with microprocessor-based data analysis, advanced statistics and bioinformatics these markers have been used to identify individuals with active disease or pathology as well as those who are refractory or have distinguishing pathologies. New analytical methods that have been used to identify markers of disease and is suggested that there may be as many as 40 different platforms. Unfortunately techniques and methods have not

been readily transferable to other disease states and sometimes diagnosis still relies on single analytes rather than a cohort of markers. There is thus a demand for a comprehensive and focused evidenced-based text and scientific literature that addresses these issues. Hence the formulation of Biomarkers in Disease. The series covers a wide number of areas including for example, nutrition, cancer, endocrinology, cardiology, addictions, immunology, birth defects, genetics, and so on. The chapters are written by national or international experts and specialists.