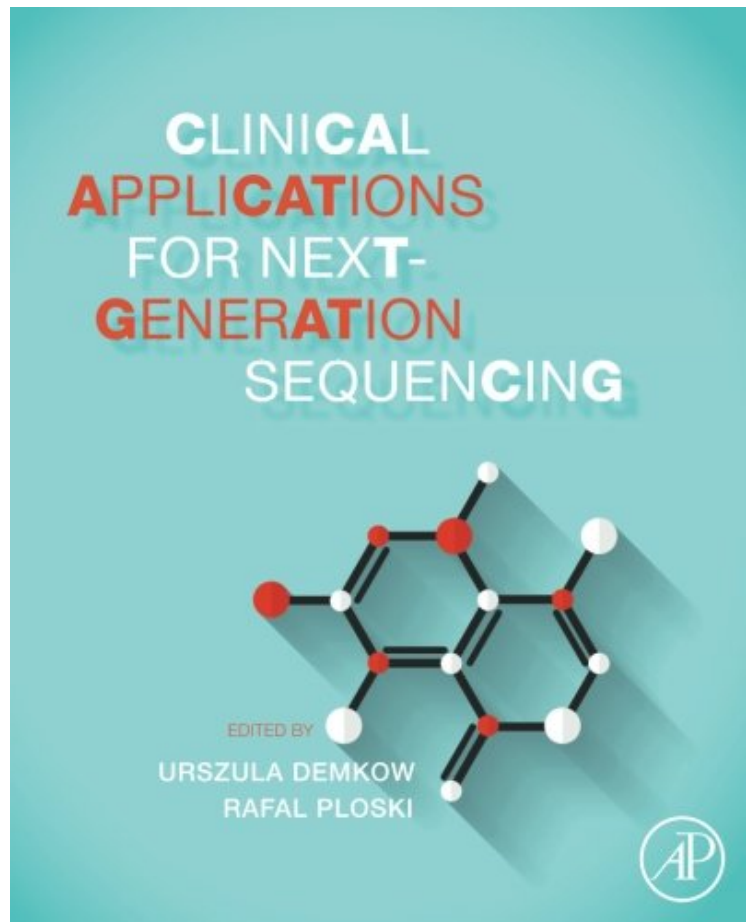


(Free read ebook) Clinical Applications for Next-Generation Sequencing

Clinical Applications for Next-Generation Sequencing

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Clinical Applications for Next Generation Sequencing provides readers with an outstanding postgraduate resource to learn about the translational use of NGS in clinical environments. Rooted in both medical genetics and clinical medicine, the book fills the gap between state-of-the-art technology and evidence-based practice, providing an educational opportunity for users to advance patient care by transferring NGS to the needs of real-world patients. The book builds an interface between genetic laboratory staff and clinical health workers to not only improve communication, but also strengthen cooperation. Users will find valuable tactics they can use to build a systematic framework for understanding the role of NGS testing in both common and rare diseases and conditions, from prenatal

care, like chromosomal abnormalities, up to advanced age problems like dementia. Fills the gap between state-of-the-art technology and evidence-based practice
Provides an educational opportunity which advances patient care through the transfer of NGS to real-world patient assessment
Promotes a practical tool that clinicians can apply directly to patient care
Includes a systematic framework for understanding the role of NGS testing in many common and rare diseases
Presents evidence regarding the important role of NGS in current diagnostic strategies

From the Back Cover
Clinical Applications for Next-Generation Sequencing provides an outstanding postgraduate education for learning the translational use of NGS in your clinic. Rooted in both medical genetics and clinical medicine, Clinical Applications for Next-Generation Sequencing fills the gap between state-of-the-art technology and evidence-based practice, and also builds an interface between genetic laboratory staff and clinical health workers in order to improve communication and strengthen cooperation among the different teams. Clinical Applications for Next-Generation Sequencing also provides a systematic framework for understanding the role of NGS testing in many common and rare diseases and conditions, from prenatal chromosomal abnormalities, to advanced age problems like dementia. It highlights the evidence for the important role of NGS in current diagnostic strategies that are considered state-of-the-art in evidence-based medicine, and shows a significant and immediate impact of NGS on genetic screening. By offering a clear understanding of modern diagnostic modality, Clinical Applications for Next-Generation Sequencing responds to the needs of clinicians and counselors everywhere and provides an educational opportunity to advance patient care by transferring NGS to real-world patient assessment, as well as promoting a practical tool that clinicians can apply directly to their patient care.