

Clinical Genomics

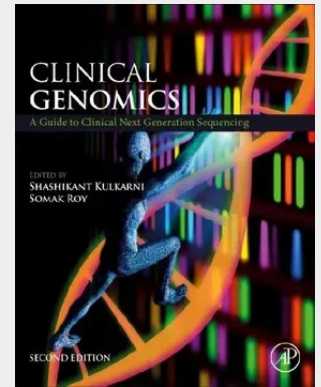
A Guide to Clinical Next Generation Sequencing

Clinical Genomics, Second Edition is a comprehensive, practical reference [AN1] designed specifically for laboratory directors, clinical medical directors, and genomic medicine professionals. Edited by renowned genomic pathology leaders Kulkarni and Roy, this updated edition offers clear guidance on the current technical, bioinformatic, clinical, regulatory, and reimbursement considerations involved in implementing next-generation sequencing technologies within clinical molecular diagnostic laboratories. Structured for ease of reference, this book covers targeted gene sequencing methods, whole exome/genome approaches, emerging technologies such as long-read sequencing, and critical considerations for assay validation. Detailed sections address bioinformatics workflows, variant detection and interpretation methodologies, integration with clinical informatics systems, and essential IT infrastructure, including cloud-based solutions. This book also thoroughly addresses practical topics essential to laboratory management, such as regulatory compliance, ethical frameworks, billing strategies, and reimbursement paradigms, helping directors navigate the evolving landscape of genomic diagnostics.

Clinical Genomics, Second Edition is a comprehensive, practical reference [AN1] designed specifically for laboratory directors, clinical medical directors, and genomic medicine professionals. Edited by renowned genomic pathology leaders Kulkarni and Roy, this updated edition offers clear guidance on the current technical, bioinformatic, clinical, regulatory, and reimbursement considerations involved in implementing next-generation sequencing technologies within clinical molecular diagnostic laboratories.

Structured for ease of reference, this book covers targeted gene sequencing methods, whole exome/genome approaches, emerging technologies such as long-read sequencing, and critical considerations for assay validation. Detailed sections address bioinformatics workflows, variant detection and interpretation methodologies, integration with clinical informatics systems, and essential IT infrastructure, including cloud-based solutions.

This book also thoroughly addresses practical topics essential to laboratory management, such as regulatory compliance, ethical frameworks, billing strategies, and reimbursement paradigms, helping directors navigate the evolving landscape of genomic diagnostics.



194,50 €

194,50 € (zzgl. MwSt.)

*vorbestellbar, Erscheinungstermin ca.
Juli 2026*

Artikelnummer: 9780323900249

Medium: Buch

ISBN: 978-0-323-90024-9

Verlag: Elsevier Science & Technology

Erscheinungstermin: 13.07.2026

Sprache(n): Englisch

Auflage: 2. Auflage 2026

Produktform: Kartoniert

Seiten: 562

Format (B x H): 216 x 276 mm

