DESCRIPTION

By integrating technology, supporting infrastructure and efficient application, the all-in-one guide presents molecular diagnostics as an essential component of modern, personalized clinical practice. It considers all important aspects, from the hardware and software needed, to recent improvements in blood- and non-blood-based biomarker tests. Chapters on ethical challenges and a look at current trends and the latest innovations are also included.

Bridging the gap between industry and academia, this is a highly useful resource for practitioners as well as for developers of modern, DNA- and RNA-based molecular diagnostics.

ABOUT THE AUTHOR

Andreas Keller studied Computational Biology at Saarland University in Saarbrücken (Germany), completing his PhD in 2009. He joined Febit Biomed GmbH in 2008 where he directed the biomarker discovery effort. In 2011, he joined the healthcare division of Siemens AG in Erlangen as director diagnostic innovation. In 2013 he became professor for Clinical Computational Biology at Saarland University. Dr. Keller has published more than 80 peer-reviewed manuscripts and filed more than 30 patents in the area of biomarker discovery and molecular diagnostics.

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