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Liquid Biopsy: New Challenges in the era of Immunotherapy and Precision Oncology 1st Edition

"Liquid Biopsy: New Challenges in the Era of Immunotherapy and Precision Oncology, 1st Edition" by David M. Pardoll, published by Academic Press, is a groundbreaking exploration into the transformative role of liquid biopsies in modern cancer care. This comprehensive volume delves into the innovative technologies and methodologies that have revolutionized the early detection and monitoring of cancer through non-invasive testing. As precision oncology and immunotherapy are at the forefront of current treatment paradigms, the book emphasizes the critical need for advanced diagnostic tools that can adapt to the dynamic nature of tumors. With an increasing focus on personalized medicine, "Liquid Biopsy" presents a thorough overview of the various challenges and opportunities that arise from integrating liquid biopsy technologies into clinical practice. Readers will gain insight into the molecular principles behind circulating tumor DNA (ctDNA), exosomes, and other biomarker analysis, as well as the implications for patient management, treatment decisions, and prognostication. The text further highlights the regulatory landscape, addressing key issues that researchers and clinicians face when implementing these innovative approaches. With an emphasis on real-world applications, the author expertly navigates through the landscape of current research, patient case studies, and future directions, making this book an essential resource for oncologists, researchers, and healthcare professionals. The ISBN for "Liquid Biopsy: New Challenges in the Era of Immunotherapy and Precision Oncology, 1st Edition" is 9780128156496. Join the forefront of cancer research and discover how liquid biopsies are shaping the future of oncology in this essential guide.