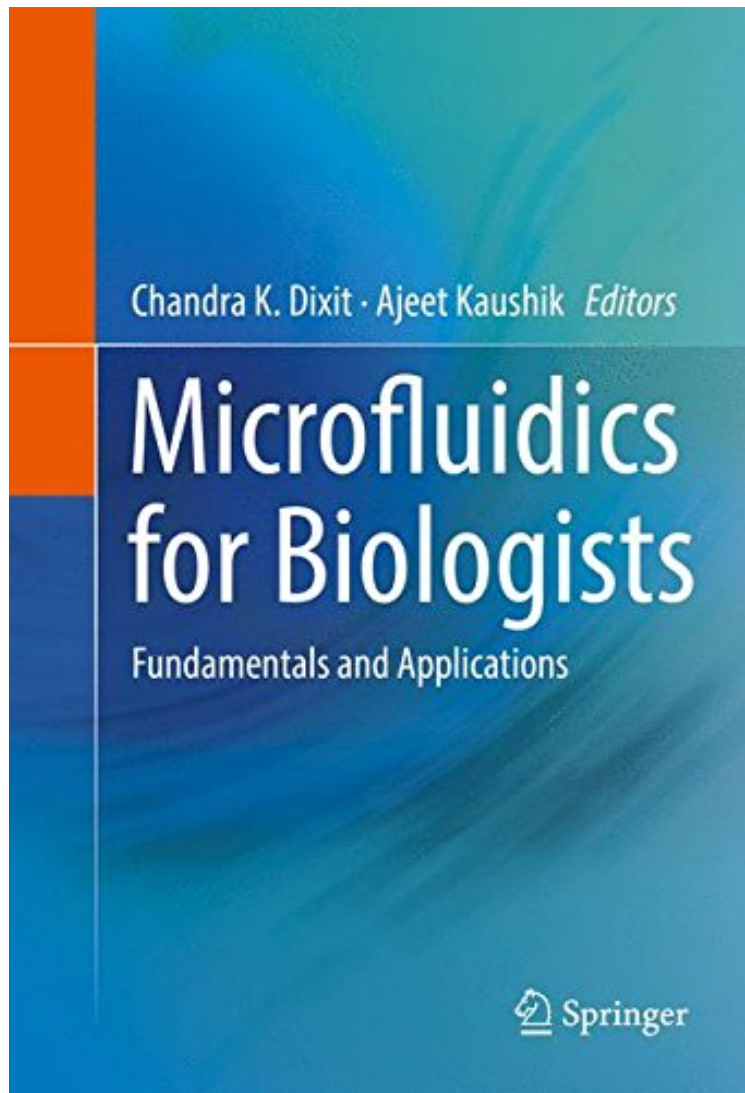


# Microfluidics for Biologists: Fundamentals and Applications

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microfluidic regimen and the techniques and methods currently employed for fabricating microfluidic systems and integrating biosensors are thoroughly covered. This book also describes the application of microfluidics in the field of cell and molecular biology, single cell biology, disease diagnostics, as well as the commercially available systems that have been either introduced or have the potential of being used in research and development. This is an ideal book for aiding biologists in understanding the fundamentals and applications of microfluidics. This book also: Describes the preparatory methods for developing 3-dimensional microfluidic structures and their use for Lab-on-a-Chip design Explains the significance of miniaturization and integration of sensing components to develop wearable sensors for point-of-care (POC) Demonstrates the application of microfluidics to life sciences and analytical chemistry, including disease diagnostics and separations

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