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Sommario/riassunto	This book reviews the latest technological developments of bioengineering approaches in cell and tissue research. It is meant to have life and spirit, and to become a pioneer in technology and sciences, especially the life science. The chapters are written by excellent scientists on advanced, frontier technology and address scientific questions that need considerable thinking in terms of engineering. The aims are to provide the readers, including students, faculty, and all scientists working in academia and industry, new information on bioengineering in cell and tissue research to enhance their understanding and innovation.