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Britain's response to MITI's Fifth Generation Computer Initiative; Major fields of science and technology
RD in Japan's pharmaceutical industry: the biological revolution, gene therapy and public policy RD consortia in the 1990's: national competitiveness and international cooperation in the case of semiconductors; Japanese nanotechnology; Japanese RD activities in advanced materials: the case of superconductivity research; Index

Sommario/riassunto

This book demonstrates that long-awaited changes to technology policy and corporate strategy are now taking place in Japan. The study also questions whether it is the programme of reform or the will and ability to implement these reforms which is new. Contributors explore the repositioning of the Japanese science and technology system on three levels: * institutional structure and technology policy* organizational and managerial changes and business-government relations* developments in key technology sectors

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Autore

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Titolo

Advanced Theranostic Nanomedicine in Oncology

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Sommario/riassunto

Despite the vast and increasing scientific literature on the treatment of malicious diseases such as cancer, we are still far to accomplish most of the current unmet clinical desiderata. A special interest in the biomedical field has been recently directed towards "theranostic"

devices, aiming at combining diagnostic and therapeutic functionalities into a single platform, and thus enabling both early detection of the pathology and its focused and targeted treatment. This Research Topic deals with the synthesis and the physicochemical characterization of theranostic agents at the nano- and/or micro-scale, as well as with their biological and medical evaluation for potential future applications.
