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	Titolo	Biomimetic Membrane Technology : Biological Engineering and Nanomedicine / / by Donald Martin, Isabelle Vilgrain
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	ISBN	3-031-90594-6
	Edizione	[1st ed. 2025.]
	Descrizione fisica	1 online resource (222 pages)
	Altri autori (Persone)	VilgrainIsabelle
	Disciplina	660.6
	Soggetti	Biotechnology
		Biological transport
		Cell membranes
		Biophysics
		Biomedical engineering
		Membrane Trafficking
		Biomedical Engineering and Bioengineering
	Lingua di pubblicazione	Inglese
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	Livello bibliografico	Monografia
	Nota di contenuto	What is this thing called biomimetic membrane technology -- Nanostructured systems and the value of biological engineering -- Role for biological engineering of symbiobots in nanomedicine -- Where does biomimetic membrane technology fit into biological engineering -- Back to the future perspectives for biomimetic membrane technology in nanomedicine.
	Sommario/riassunto	This book provides an up-to-date description of the biomimetic membrane technology that is essential for medical diagnostics and therapeutics. Fundamental and background information on the latest biomimetic membrane technology will be enhanced by descriptions of the medical diagnostic and therapeutic systems that include biomimetic membrane technology at the core of the systems. This is an ideal book for biomedical scientists, clinicians, and scientists who design devices for medical technology, and graduate students and academics in bioengineering, nanotechnology, biotechnology and related fields. This book also: Provides detailed coverage of the diagnostic and therapeutic medical devices based on biomimetic membrane technology Enriches

understanding of the benefits of advanced microfabrication techniques for the self-assembly of biomimetic membranes Broadens reader understanding of the role of biomimetic membrane technology for diagnosis and treatment in nanomedicine.