

Biological and Medical Physics, Biomedical Engineering

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**Fundamentals of Cryobiology**

Physical Phenomena and Mathematical Models

The book gives a summary of the state-of-the-art of cryobiology and its applications. The accent is on the underlying physical phenomena, which are common in such opposite applications as cryosurgery and cryoconservation, and the corresponding mathematical models, including numerical ones. The treatment of some more special issues is moved to the appendices. The glossary contains definitions and explanations of the major entities. All the topics considered are well referenced. The book is useful to both biologists and physicists of different level including practioners and graduate students.

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