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Hermann Dertinger, Horst Jung

Molecular Radiation Biology

The Action of Ionizing Radiation on Elementary Biological Objects

Series: Heidelberg Science Library

There can hardly be any doubt that radiation will continue to be an important factor in our lives. Present and future advances in atomic technology urgently require further work on research and development in the field of radiation biology if the maximum benefit is to be obtained at minimal risk from the various kinds of radiation that form a major by-product of nuclear processes. Consequently, it is also necessary to prepare students and younger scientists for doing such work. The present book originates from teaching experience gained in lectures, seminars, and discussion groups started by the undersigned in 1957 and more recently held together with Drs. Dertinger and Jung. The friendly comments given to the German edition made us feel that it might be worthwhile to put the results of our efforts at the disposal of those to whom English is more familiar. In agreement with the view, based on well-known facts, that most if not all of the more striking practical achievements have resulted from patient and careful investigations into some basic problem, the book aims at introducing the reader to the methods of thought and experiment used in molecular radiation biology as well as to the results obtained thereby.

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