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RADIATION BIOLOGY

Donald J. Pizzarello

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Radiation Biology Crc Series In Radiotracers In Biology And Medicine

James S. Robertson



Radiation Biology Crc Series In Radiotracers In Biology And Medicine:

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Functions Using Radiotracers (1982) Mervyn Billinghamurst, 2017-11-22 This volume is the result of the concerted effort of a number of scientists to summarize in a succinct way the current understanding of the mechanisms of these localizations The editors of the book gratefully acknowledge this combined effort Basic Physics Of Radiotracers W. Earl Barnes, 2017-09-29 The opportunity to present the physics of radioactive processes in some detail apart from topics such as instrumentation which conventionally compete with it for space is most welcome The material is intended to give a fairly complete introduction to radiation physics to those who wish to have more than a descriptive understanding of the subject Although it is possible to work one's way through much of the subject matter without having any previous physics background some prior acquaintance with modern physics is desirable A familiarity with calculus and differential equations is also assumed Volume I begins with a brief description of classical physics its extension to special relativity and quantum mechanics and an introduction to basic atomic and nuclear concepts A thorough discussion of atomic structure follows with emphasis on the theory of the multielectron atom characteristic X rays and the Auger effect Volume II treats the subjects of nuclear structure nuclear decay processes the interaction of radiation with matter and the mathematics of radioactive decay

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Biol Applns of Radiotracers Howard J. Glenn, 1982-08-17 **GENERAL PROCESSES OF RADIOTRACERS LOCALIZATION** Leopold J. Anghileri, 1982-09-16 General Processes of Radiotracer Localization, 1982 Library of Congress Catalogs Library of Congress, 1982

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