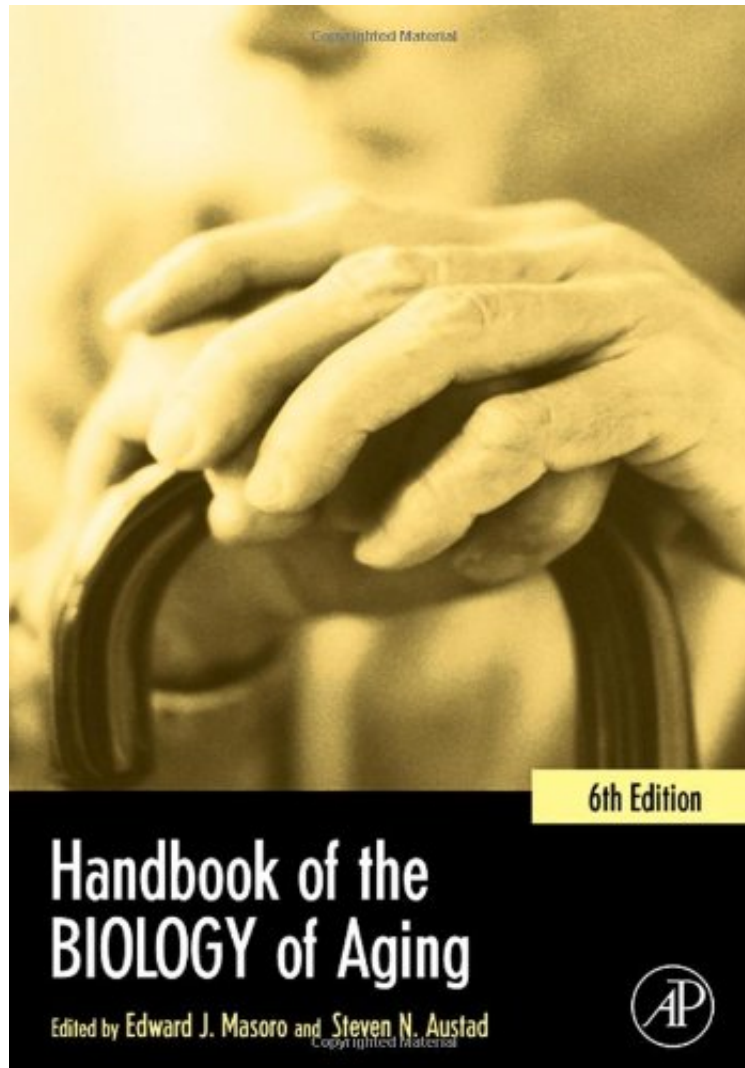


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The Handbook of the Biology of Aging, Sixth Edition, provides a comprehensive overview of the latest research findings in the biology of aging. Intended as a summary for researchers, it is also adopted as a high level textbook for graduate and upper level undergraduate courses. The Sixth Edition is 20% larger than the Fifth Edition, with 21 chapters summarizing the latest findings in research on the biology of aging. The content of the work is virtually 100% new. Though a selected few topics are similar to the Fifth Edition, these chapters are authored by new contributors with new information. The majority of the chapters are completely new in both content and authorship. The Sixth Edition places greater emphasis and coverage on competing and complementary theories of aging, broadening the discussion of conceptual issues. Greater coverage of techniques used to study biological issues of aging include computer modeling, gene profiling, and demographic analyses. Coverage of research on *Drosophila* is expanded from one chapter to four. New chapters on mammalian models discuss aging in relation to skeletal muscles, body fat and carbohydrate metabolism, growth hormone, and the human female reproductive system. Additional new chapters summarize exciting research on stem cells and cancer, dietary restriction, and whether age related diseases are an integral part of aging. The Handbook of the Biology of Aging, Sixth Edition is part of the Handbooks on Aging series, including Handbook of the Psychology of Aging and Handbook of Aging and the Social Sciences, also in their 6th editions.

From the Back Cover The Handbook of the Biology of Aging, Sixth Edition, provides a comprehensive overview of the latest research findings in the biology of aging. Intended as a summary for researchers, it is also adopted as a high level textbook for graduate and upper level undergraduate courses. The Sixth Edition is 20% larger than the Fifth Edition, with 21 chapters summarizing the latest findings in research on the biology of aging. The content of the work is virtually 100% new. Though a selected few topics are similar to the Fifth Edition, these chapters are authored by new contributors with new information. The majority of the chapters are completely new in both content and authorship. The Sixth Edition places greater emphasis and coverage on competing and complementary theories of aging, broadening the discussion of conceptual issues. Greater coverage of techniques used to study biological issues of aging include computer modeling, gene profiling, and demographic analyses. Coverage of research on *Drosophila* is expanded from one chapter to four. New chapters on mammalian models discuss aging in relation to skeletal muscles, body fat and carbohydrate metabolism, growth hormone, and the human female reproductive system. Additional new chapters summarize exciting research on stem cells and cancer, dietary restriction, and whether age related diseases are an integral part of aging. The Handbook of the Biology of Aging, Sixth Edition is part of the Handbooks on Aging series, including Handbook of the Psychology of Aging and Handbook of Aging and the Social Sciences, also in their 6th editions. About the Author Edward J. Masoro was the recipient of the 1989 Allied-Signal Achievement Award in Aging Research. In 1990, he received the Geriatric Leadership Academic Award from the National Institute on Aging and the Robert W. Kleemeier Award from the Gerontological Society of America. In 1991, he received a medal of honor from the University of Pisa for Achievements in Gerontology. In 1993, Dr. Masoro received the Distinguished Service Award from the Association of Chairmen of Departments of Physiology. He received the 1995 Irving Wright Award of Distinction of the American Federation for Aging Research and the 1995 Glenn Foundation Award. He served as the President of the Gerontological Society of America from 1994-1995, as the Chairman of the Aging Committee of the National Institute on Aging (NIA), and as Chairman of the Board of Scientific Counselors of the NIA. Dr. Masoro received his Ph.D. from the University of California at Berkeley. He has held faculty positions at Queens University (Canada), Tufts University School of Medicine, University of Washington, and Medical College of Pennsylvania. From 1973 through May 1991, he served as Chairman of the Department of Physiology at the University of Texas Health Science Center at San Antonio. He presently continues his duties as Professor in the Department of Physiology and is the Director of the newly created Aging Research and Education Center. On April 1, 1996, he became Professor Emeritus. Dr. Masoro was a Wellcome Visiting Professor in Basic Medical Sciences for the 1992-1993 Academic Year. His research has been in lipid metabolism, cold exposure, membrane biochemistry, and biological gerontology. Since 1975, Dr. Masoro's research has focused on the influence of food restriction on aging. He has or is serving in an editorial role for ten journals, and in January 1992, he became the Editor of the Journal of Gerontology: Biological Sciences.