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Autore	Garavani, Giunio
Titolo	Pervigilium : un veglione : poemetto giudicato uno dei due migliori nel Concorso `Ruspantini` di poesia latina / Giunio Garavani
Pubbl/distr/stampa	Ancona : Premiato stab. tip. S.T.A.M.P.A., 1932
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Autore	Yashin Anatoliy I
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Nota di contenuto	Introduction to the theory of aging networks / Witten, T.M. -- Applications to aging networks / Wimble, C., Witten, T.M. --

Computational systems biology for aging research / Auley, M.T., Mooney, K.M. -- How does the body know how old it is? Introducing the epigenetic clock hypothesis / Mitteldorf, J. -- The great evolutionary divide : two genomic systems biologies of aging / Rose, M. R., Cabral, I.G., Philips, M.A., Rutledge, G.A., Phung, K.H., Mueller, L.D., Greer, L.F. -- Development and aging : two opposite but complementary phenomena / Feltes, B.C., De Faria Poloni, J., Bonatto, D. -- Aging as a process of deficit accumulation : its utility and origin / Mitnitski, A., Rockwood, K. -- Low-grade systemic inflammation connects aging, metabolic syndrome and cardiovascular disease / Guarner, V., Rubio-Ruiz, M.E. -- Modulating mTOR in aging and health / Johnson, S.C., Sangesland, M., Kaeberlein, M., Rabinovitch, P. -- Melatonin and circadian oscillators in aging : a dynamic approach to the multiply connected players / Hardeland, R. -- Diet-microbiota-health interactions in older subjects : implications for healthy aging / Lynch, D.B., Jeffery, I.B., Cusack, S., O'Connor, E.M., O'Toole, P.W. -- Systems biology approaches in aging research / Chauhan, A., Liebal, U.W., Vera, J., Baltrusch, S., Junghanss, C., Tiedge, M., Fuellen, G., Wolkenhauer, O., Kohling, R. -- Conservative growth hormone/IGF-1 and mTOR signaling pathways as a target for aging and cancer prevention : do we really have an antiaging drug? / Anisimov, V.N.

Sommario/riassunto

Aging is a major risk factor for chronic diseases, which in turn can provide information about the aging of a biological system. This publication serves as an introduction to systems biology and its application to biological aging. Key pathways and processes that impinge on aging are reviewed, and how they contribute to health and disease during aging is discussed. The evolution of this situation is analyzed, and the consequences for the study of genetic effects on aging are presented. Epigenetic programming of aging, as a continuation of development, creates an interface between the genome and the environment. New research into the gut microbiome describes how this interface may operate in practice with marked consequences for a variety of disorders. This analysis is bolstered by a view of the aging organism as a whole, with conclusions about the mechanisms underlying resilience of the organism to change, and is expanded with a discussion of circadian rhythms in aging.