

1. Record Nr.	UNINA9911020168803321
Titolo	Molecular biology of circadian rhythms
Pubbl/distr/stampa	[Place of publication not identified], : Wiley Liss, 2004
ISBN	1-280-55654-4 9786610556540 0-471-45919-4 0-471-45918-6
Descrizione fisica	1 online resource (285 pages)
Disciplina	571.77
Soggetti	Circadian Rhythm Molecular Biology Biochemistry Genetics Periodicity Chronobiology Phenomena Biology Biological Science Disciplines Chemistry Natural Science Disciplines Physiological Phenomena Occupations Physiology Human Anatomy & Physiology Health & Biological Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	General concepts / Amita Sehgal -- Genetic and molecular approaches / Amita Sehgal and Jeffrey L. Price -- Drosophila melanogaster / Jeffrey L. Price -- Circadian clocks in non-mammalian vertebrates / Julie A. Williams -- Genetic basis for circadian rhythms in mammals / John D. Alvarez -- Circadian rhythms in cyanobacteria / Nirinjini Naidoo --

Molecular analysis of circadian rhythms in neurospora / Amita Sehgal
-- Physiological and molecular characteristics of plant circadian clocks
/ Jose A. Jarillo, Juan Capel, and Anthony R. Cashmore -- Multiple
oscillators / Jadwiga M. Giebultowicz -- Hormonal rhythms / Peter
McNamara -- Human circadian rhythms / Hans P.A. van Dongen,
Gerard A. Kerkhof, David F. Dinges.

Sommario/riassunto

Modern molecular biology and genetics has enabled significant strides in research on the basic properties of biological rhythms. These advances will, in addition to relevance for understanding of cell and body biochemistry, health, and aging, provide insights into the molecular control of behavior. This comprehensive account of the molecular basis of circadian rhythms will cover the recent advances in addition to providing a solid groundwork in the basic aspects of biological timing.
