

1. Record Nr.	UNINA9911019236703321
Titolo	Mechanisms and biological significance of pulsatile hormone release
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; New York, : Wiley, 2000
ISBN	9786610272617 9781280272615 1280272619 9780470668252 0470668253 9780470870785 0470870788 9780470870792 0470870796
Descrizione fisica	1 online resource (281 p.)
Collana	Novartis Foundation symposium ; ; 227
Disciplina	572 612.4/05 612.405
Soggetti	Hormones - Secretion Biological rhythms - Molecular aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Symposium on Mechanisms and Biological Significance of Pulsatile Hormone Secretion, held at the Novartis Foundation, London, 2-4 March 1999"--P. v.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	MECHANISMS AND BIOLOGICAL SIGNIFICANCE OF PULSATILE HORMONE SECRETION; Contents; Participants; Introduction; Rhythmic transcription: the molecular basis of oscillatory melatonin synthesis; Discussion; The frequency encoding of pulsatility; Discussion; Timing-dependent modulation of insulin mitogenic versus metabolic signalling; Discussion; Growth hormone pulse-activated STAT5 signalling: a unique regulatory mechanism governing sexual dimorphism of liver gene expression; Discussion; Orderliness of hormone release; Discussion Prediction and significance of the temporal pattern of hormone

secretion in disease states Discussion; Therapeutic implications of circadian rhythms in cancer patients; Discussion; Pathophysiology of human circadian rhythms; Discussion; Nature of altered pulsatile hormone release and neuroendocrine network signalling in human ageing: clinical studies of the somatotrophic, gonadotropic, corticotrophic and insulin axes; Discussion; Pulsatile insulin secretion; Discussion; Control of growth hormone (GH) release by GH secretagogues; Discussion

Pulsatile parathyroid hormone secretion in health and disease Discussion; Significance of pulsatility in the HPA axis; Discussion; Closing remarks; Index of contributors; Subject index

Sommario/riassunto

This exciting book brings together an international and interdisciplinary group of experts to discuss the importance of pulsatile signalling in the induction of biological responses. Coverage includes the basic mechanisms involved in hormone pulsatility, the significance of pulsatility in normal and disease conditions, the relevance of circadian rhythms, changes with ageing, and detailed consideration of specific peptide hormone systems. This book includes contributions from professionals working in both basic and clinical research and reveals much new and exciting work in this area and promises
