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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Bridging between experiments and equations : a tutorial on modeling excitability / David McCobb and Mary Lou Zeeman -- Ion channels and electrical activity in pituitary cells : a modeling perspective / Richard Bertram, Joel Tabak, and Stanko S. Stojilkovic -- Endoplasmic reticulum- and plasma membrane-driven calcium oscillations / Arthur Sherman -- Mathematical models of GnRH neurons / James Sneyd -- Modeling spiking in the magnocellular vasopressin neuron / Duncan J. MacGregor, and Gareth Leng -- Modeling endocrine cell network topology / David J. Hodson, Francois Molino, and Patrice Mollard -- Modelling the milk-ejection reflex / Gareth Leng and Jianfeng Feng -- Dynamics of the HPA axis : a systems modelling approach / John R. Terry, Jamie J. Walker, Francesca Spiga, and Stafford L. Lightman -- Modeling the dynamics of gonadotropin-releasing hormone (GnRH) secretion in the course of an ovarian cycle / Frederique Clement and Alexandre Vidal.

