

1. Record Nr.	UNINA9910346754203321
Autore	Hubert Vaudry
Titolo	Trends in Comparative Endocrinology and Neurobiology
Pubbl/distr/stampa	Frontiers Media SA, 2018
Descrizione fisica	1 online resource (238 p.)
Collana	Frontiers Research Topics
Soggetti	Medicine and Nursing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>The comparative approach takes advantage of the biological diversity to select the most appropriate model organism to tackle a scientific question. Comparisons between the endocrine and nervous systems across species have yielded major breakthroughs in endocrinology and neurobiology. For instance: a number of mammalian peptide hormones and neuropeptides have been originally identified in fish or amphibians; studies conducted in a sea slug founded the cellular and molecular basis of learning and memory; observations of neurogenesis in the forebrain of songbirds led to the discovery of adult neurogenesis in the mammalian brain. These examples illustrate the remarkable contribution of the comparative approach for the advancement of neuroendocrinological concepts. The present e-book is a unique collection of research articles and reviews that provide a representative overview of the latest developments in comparative endocrinology and neurobiology.</p>