

1. Record Nr.	UNINA9910298291503321
Titolo	Brain Crosstalk in Puberty and Adolescence // edited by Jean-Pierre Bourguignon, Jean-Claude Carel, Yves Christen
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-09168-9
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (184 p.)
Collana	Research and Perspectives in Endocrine Interactions, , 1861-2253 ; ; 13
Disciplina	599935 610 611.01816 612.8
Soggetti	Neurosciences Human genetics Endocrinology Human Genetics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Drugs and the adolescent brain by Anne L. Wheeler and Paul W. Frankland.- Gonadal hormones organize the adolescent brain and behavior by Cheryl L. Sisk.- The role of pubertal hormones in the development of gender identity: fMRI studies by S.M. Burke and J. Bakker.- Pubertal timing, exploratory behavior and mental health: a view from a clinician and public health practitioner by Pierre-André Michaud.- Puberty, the brain and mental health in adolescence by Russell Viner.- The Role of Puberty in Human Adolescent Brain Development by Anne Lise Goddings.- The Adolescent Brain: Insights from Neuroimaging by Jay N. Giedd and Alexander H. Denker.- Gene networks, epigenetics and the control of female puberty by Alejandro Lomniczi, Juan Manuel Castellano, Hollis Wright, Basak Selcuk, Kemal Sonmez and Sergio R. Ojeda -- Neuroendocrine and Molecular Mechanisms for the Metabolic Control of Puberty: Recent Developments by Manuel Tena-Sempere -- Prostaglandin E2, gliotransmission and onset of puberty by Vincent Prevot and Jerome Clasadonte -- The

gonadotropic axis deficiency: a neurodevelopmental disorder by Lukas Huijbregts, Brooke Tata, Nicolas de Roux.- Changes in pubertal timing: past views, recast issues by Jean-Pierre Bourguignon, Françoise Domine, Fabienne Glowacz, Marie-Christine Lebrethon, Anne-Simone Parent -- Subject Index.

Sommario/riassunto

Puberty and adolescence are key developmental processes occurring in the transition period between childhood and adulthood. They involve respectively profound physical and behavioral changes that share dependency on maturational events in the central nervous system (CNS). The neurobiology and endocrinology of puberty and adolescence has made important progress during the past decade through finely tuned studies on behavior, CNS imaging and molecular neurobiology. The aim of this volume is to provide the readers with a pathophysiological perspective on the role of CNS in puberty and adolescence, starting from genetic/molecular aspects, going through structural/imaging changes and leading to physical/behavioral characteristics. Therefore, renowned investigators involved in both animal and human research shared recent data as well as overall appraisal of relevant questions around CNS control of puberty and adolescence. No doubt that this volume will inspire those involved in either scientific research or clinical practice or both in the fascinating field of puberty and adolescence.
