Testicular Cell Dynamics and Endocrine Signaling

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出版者:Wiley-Blackwell

出版时间:2006-1-15

装帧:Paperback

isbn:9781573315388

The past few years have brought an influx of new information into the field of male reproduction. Several laboratories have been able to apply the genomics approach to gene expression in the male, revealing previously unknown patterns of gene expression and gene products that were localized in male reproductive tract tissues and cells for the first time. These discoveries paved the way for the next wave, an opportunity to analyze male reproductive biology and the processes by which sperm are formed in the seminiferous tubule and androgen is synthesized in the interstitium of the testis. The different levels of organization in the testis, including the stages of spermatogenesis, enzymatic steps of steroidogenesis, and the intracellular signaling pathways of hormones, are now more amenable to study and selection of potential targets for drug development. This volume capitalizes on these developments with a collection of reports that is uniquely suited to stimulate research and development ideas. NOTE: Annals volumes are available for sale as individual books or as a journal. For information on institutional journal subscriptions, please visit www.blackwellpublishing.com/nyas. ACADEMY MEMBERS: Please contact the New York Academy of Sciences directly to place your order (www.nyas.org). Members of the New York Academy of Science receive full-text access to the Annals online and discounts on print volumes. Please visit http://www.nyas.org/MemberCenter/Join.aspx

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