

Ernst Schering Research Foundation
Workshop, Supplement 2

Signal Transduction in Testicular Cells

Basic and Clinical Aspects

V. Hansson, F.O. Levy, K. Taskén
Editors

With 59 Figures and 12 Tables



Springer

Table of Contents

1	The Roles of the Cell-Selective Nuclear Receptor SF-1 in Reproductive Function <i>K.L. Parker, Y. Ikeda, and X. Luo</i>	1
2	Regulation of Steroid Hormone Production <i>M.R. Waterman</i>	13
3	A Role for cAMP-Response Element Motifs in Transcriptional Regulation of Postmeiotic Male Germ Cell-Specific Genes <i>Z. Sun and A.R. Means</i>	29
4	Cyclic Nucleotide-Gated Channels in Sperm <i>I. Weyand</i>	53
5	CREM: A Transcriptional Master Switch Governing the cAMP Response in the Testis <i>L. Monaco, F. Nantel, N.S. Foulkes, and P. Sassone-Corsi</i> . . .	69
6	Targeted Disruption of the Protein Kinase A System in Mice <i>G.S. McKnight, R.L. Idzerda, E.R. Kandel, E.P. Brandon, M. Zhuo, M. Qi, R. Bourtchouladze, Y. Huang, K.A. Burton, B.S. Skålhegg, D.E. Cummings, L. Varshavsky, J. V. Planas, K. Motamed, K.A. Gerhold, P.S. Amieux, C.R. Guthrie, K.M. Millett, M. Belyamani, and T. Su</i>	95

7	Posttranscriptional Regulation of Postmeiotic Gene Expression <i>N.B. Hecht</i>	123
8	Isolation and Culture of Immature Rat Type A Spermatogonial Stem Cells <i>G. Dirami, N. Ravindranath, M.C. Jia, and M. Dym</i>	141
9	Androgen Receptor in Transcriptional Regulation <i>P.J. Kallio, T. Ikonen, A. Moilanen, H. Poukka, P. Reinikainen, J.J. Palvinò, and O.A. Jänne.</i>	167
10	The 3β -Hydroxysteroid Dehydrogenase/Isomerase Gene Family: Lessons from Type II 3β -HSD Congenital Deficiency <i>F. Labrie, J. Simard, V. Luu-The, A. Bélanger, G. Pelletier, Y. Morel, F. Mebarki, R. Sanchez, F. Durocher, C. Turgeon, Y. Labrie, E. Rheaume, C. Labrie, and Y. Lachance</i>	185
11	The Src Family of Protein Tyrosine Kinases <i>C. Couture and T. Mustelin</i>	219
12	Sperm-Zona Pellucida Interaction: A Model for Zona Receptor Kinase-Mediated Signaling <i>P.M. Saling, D.J. Burks, and C.N. Tomes</i>	247
13	The Use of Spermatids for Human Conception <i>I. Aslam and S. Fishel</i>	271
14	Evidence-Based Andrology: The Importance of Controlled Clinical Trials <i>E. Leifke and E. Nieschlag</i>	287
15	Molecular Genetics and Neurobiology of Kallmann's Syndrome <i>P.-M.G. Bouloux, P. de Zoyza, V. Duke, and R. Quinton</i>	307

16	The Polymorphisms of Gonadotropin Action: Molecular Basis and Clinical Implications <i>I. Huhtaniemi, P. Pakarinen, A.-M. Haavisto, C. Nilsson, K. Pettersson, J. Tapanainen, and K. Aittomäki</i>	319
	Subject Index	343
	Previous Volumes Published in this Series	353