

MOLECULAR ENDOCRINOLOGY

Minireview: Androgen Receptor Structural and Functional Elements: Role and Regulation in Prostate Cancer	Scott M. Dehm and Donald J. Tindall	2855
Transcriptional Regulation of the Androgen Receptor Cofactor Androgen Receptor Trapped Clone-27	Jerome C. Nwachukwu, Wenhui Li, Inés Pineda-Torra, Hong Ying Huang, Rachel Ruoff, Ellen Shapiro, Samir S. Taneja, Susan K. Logan, and Michael J. Garabedian	2864
Orphan Receptor TR3 Attenuates the p300-Induced Acetylation of Retinoid X Receptor-α	Wen-xiu Zhao, Min Tian, Bi-xing Zhao, Gui-deng Li, Bo Liu, Yan-yan Zhan, Hang-zi Chen, and Qiao Wu	2877
Phosphorylation-Dependent Antagonism of Sumoylation Derepresses Progesterone Receptor Action in Breast Cancer Cells	Andrea R. Daniel, Emily J. Faivre, and Carol A. Lange	2890
The Transcription Factor Snail Mediates Epithelial to Mesenchymal Transitions by Repression of Estrogen Receptor-α	Archana Dhasarathy, Masahiro Kajita, and Paul A. Wade	2907
Structural Insight into the Mode of Action of a Direct Inhibitor of Coregulator Binding to the Thyroid Hormone Receptor	Eva Estébanez-Perpiñá, Leggy A. Arnold, Natalia Jouravel, Marie Togashi, Justin Blethrow, Ellena Mar, Phuong Nguyen, Kevin J. Phillips, John D. Baxter, Paul Webb, R. Kiplin Guy, and Robert J. Fletterick	2919
Mitogen-Activated Protein Kinase Phosphatase 1/Dual Specificity Phosphatase 1 Mediates Glucocorticoid Inhibition of Osteoblast Proliferation	Kay Horsch, Heidi de Wet, Macé M. Schuurmans, Fatima Allie-Reid, Andrew C. B. Cato, John Cunningham, Jacky M. Burrin, F. Stephen Hough, and Philippa A. Hulley	2929
RelB, a New Partner of Aryl Hydrocarbon Receptor-Mediated Transcription	Christoph F. A. Vogel, Eric Sciuillo, Wen Li, Pat Wong, Gwendal Lazennec, and Fumio Matsumura	2941

MOLECULAR ENDOCRINOLOGY (ISSN 0888-8809; IPM0954101) is the official journal of The Endocrine Society and is published monthly by The Endocrine Society, 8401 Connecticut Avenue, Suite 900, Chevy Chase, Maryland 20815-5817. Periodicals postage paid at Chevy Chase, MD and at additional mailing offices. Subscription rates are \$422 (\$552 international); institutions \$746 (\$886 international); institutions on-line only \$674 (U.S. and international); in training \$244 (\$336 international); single copy \$58 (\$64 international). Society member dues of \$266 (\$334 international) includes print and online access to one primary journal and online access to an additional two primary journals. Subscription prices subject to change. All subscriptions start with the January issue. To order call (301) 941-0210. All subscription orders for customers in Japan must be placed through our exclusive agent, USACO Corporation, 17-12, Higashi-Azabu 1-chome, Minato-ku, Tokyo 105, Japan. Telephone 03-3505-6161. Please contact USACO for 2007 yen rates. Printed in the U.S.A. POSTMASTER: Send address changes to *Molecular Endocrinology*, 8401 Connecticut Avenue, Suite 900, Chevy Chase, Maryland 20815-5817. Indexed by EMBASE/Excerpta Medica, National Biological Service, Current Contents, BIOSIS, Index Medicus, Elsevier BIOBASE/Current Awareness in Biological Sciences, and Sociedad Iberoamericana de Información Científica (SIIC). Printed on acid-free paper effective with Volume 1, Number 1. Table of contents and abstracts for each issue available on the issue mail date on The Endocrine Society Home Page at <http://mend.endojournals.org>. Copyright © 2007 by The Endocrine Society.

FK506-Binding Protein 52 Phosphorylation: A Potential Mechanism for Regulating Steroid Hormone Receptor Activity	Marc B. Cox, Daniel L. Riggs, Martin Hessling, Felix Schumacher, Johannes Buchner, and David F. Smith	2956
Increased Steroidogenic Factor-1 Dosage Triggers Adrenocortical Cell Proliferation and Cancer	Mabrouka Doghman, Tatiana Karpova, Giovanna Assis Rodrigues, Malika Arhatte, Juliana De Moura, Luciane R. Cavalli, Virginie Virolle, Pascal Barbry, Gerard P. Zambetti, Bonald C. Figueiredo, Leslie L. Heckert, and Enzo Lalli	2968
Krüppel-Like Factor 9 Is a Negative Regulator of Ligand-Dependent Estrogen Receptor α Signaling in Ishikawa Endometrial Adenocarcinoma Cells	Michael C. Velarde, Zhaoyang Zeng, Jennelle R. McQuown, Frank A. Simmen, and Rosalia C. M. Simmen	2988
Dissection of the Insulin-Sensitizing Effect of Liver X Receptor Ligands	S. Renee Commerford, Leo Vargas, Suzanne E. Dorfman, Nico Mitro, Erik C. Rocheford, Puiying A. Mak, Xue Li, Patrick Kennedy, Tara L. Mullarkey, and Enrique Saez	3002
Pubertal Impairment in <i>Nhh2</i> Null Mice Is Associated with Hypothalamic and Pituitary Deficiencies	Tiziana Cogliati, Petra Delgado-Romero, Errol R. Norwitz, Jasenka Guduric-Fuchs, Ursula B. Kaiser, Susan Wray, and Ilan R. Kirsch	3013
Nuclear Stabilization of β-Catenin and Inactivation of Glycogen Synthase Kinase-3β by Gonadotropin-Releasing Hormone: Targeting Wnt Signaling in the Pituitary Gonadotrope	Samantha Gardner, Stuart Maudsley, Robert P. Millar, and Adam J. Pawson	3028
Tumor Suppressor LKB1 Inhibits Activation of Signal Transducer and Activator of Transcription 3 (STAT3) by Thyroid Oncogenic Tyrosine Kinase Rearranged in Transformation (RET)/Papillary Thyroid Carcinoma (PTC)	Dong Wook Kim, Hyo Kyun Chung, Ki Cheol Park, Jung Hwan Hwang, Young Suk Jo, Jongkyeong Chung, Dhananjaya V. Kalvakolanu, Nicoletta Resta, and Minh Shong	3039
Homodimerization of Ror2 Tyrosine Kinase Receptor Induces 14-3-3β Phosphorylation and Promotes Osteoblast Differentiation and Bone Formation	Yan Liu, John F. Ross, Peter V. N. Bodine, and Julia Billiard	3050
Expression of a Functional G Protein-Coupled Receptor 54-Kisspeptin Autoregulatory System in Hypothalamic Gonadotropin-Releasing Hormone Neurons	Samuel Quaynor, Lian Hu, Po Ki Leung, Hao Feng, Nadia Mores, Lazar Z. Krsmanovic, and Kevin J. Catt	3062
p38 Mitogen-Activated Protein Kinase Is Critical for Synergistic Induction of the FSHβ Gene by Gonadotropin-Releasing Hormone and Activin through Augmentation of c-Fos Induction and Smad Phosphorylation	Djurdjica Coss, Cameron M. Hand, Karen K. J. Yaphockun, Heather A. Ely, and Pamela L. Mellon	3071

The Glucose Transporter 4 FQI Motif Is Necessary for Akt Substrate of 160-Kilodalton-Dependent Plasma Membrane Translocation But Not Golgi-Localized γ-Ear-Containing Arf-Binding Protein-Dependent Entry into the Insulin-Responsive Storage Compartment	Encarnación Capilla, Naoko Suzuki, Jeffrey E. Pessin, and June Chunqiu Hou	3087
Importance of Constitutive Activity and Arrestin-Independent Mechanisms for Intracellular Trafficking of the Ghrelin Receptor	Nicholas D. Holliday, Birgitte Holst, Elena A. Rodionova, Thue W. Schwartz, and Helen M. Cox	3100

Announcements

Erratum		2955
---------	--	------

Research Resources

Endocrine-Related Resources from the National Institutes of Health		3113
National Hormone & Peptide Program (NHPP): New Recombinant Hormones, Hypothalamic Peptides, Natural Hormones, New Antisera, & Expanded Hormone Assay Services Available		3117

The Endocrine Society

Editorial Board		1A
Author and Subscription Information		2A
Affirmation of Originality and Assignment of Copyright		6A
Employment Opportunities		3120

INDEX OF ADVERTISERS

ALPCO Inc. Cover 4

COVER: In gene regulation, Snail family transcription factors play an integral role in epithelial to mesenchymal transitions (EMT) during development and are proposed to contribute to cancer progression through promoting EMT-like changes. In this issue of *Molecular Endocrinology*, Dhasarathy *et al.* describe a new consequence of Snail expression in estrogen receptor (ER)- α positive cell lines. As depicted on the cover, Snail directly represses transcription from the ER- α locus leading to a loss of ER- α and increased activation of the TGF- β signaling pathway. Thus, Snail expression appears to play a pivotal role in shifting the cellular equilibrium from an estrogen receptor-responsive internal environment to a TGF- β -dependent one. From the article by Dhasarathy *et al.*, in this issue, pages 2907-2918.

The editors thank Dr. Ron Smith, Alcon Laboratories, Fort Worth, TX, for collaborating with the authors to create the figure on the cover.

The editors would also like to acknowledge the design for our page ender which appears at the end of each article. The symbol represents interaction between ligand, receptor, and DNA. It evolved from an original concept designed by Lois B. Thompson for MOLECULAR ENDOCRINOLOGY.