

MOLECULAR ENDOCRINOLOGY

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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.

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COVER: The antiinflammatory activities of PPARs are thought to underlie the protective effects of these receptors in diabetes, atherosclerosis, cancer, and other inflammatory diseases. However, emerging evidence for proinflammatory activities of activated PPARs is concerning in light of new studies that associate PPAR modulators with an increased incidence of both cardiovascular events in humans and the sporadic formation of tumors in rodents. In this issue, Hall and McDonnell describe their unexpected observation that thiazolidinediones (TZDs) and other known PPAR γ ligands display different degrees of proinflammatory activities in a PPAR γ -independent manner via their ability to activate PPAR δ . This study may explain why TZDs can exhibit both inflammatory and antiinflammatory activities in humans and, further, highlights the need for PPAR modulators with increased receptor subtype specificity. From the article by J. M. Hall and D. P. McDonnell, in this issue, pages 1756–1768.

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.