Journal of Nutritional Biochemistry (ISSN: 0955-2863) is published monthly by Elsevier, 360 Park Avenue South, New York, NY 10010-1710. Periodicals postage paid at New York, NY, and addi-

10010-1710. Periodicals postage paid at New York, NY, and additional mailing offices. **POSTMASTER:** Send address changes to *Journal of Nutritional Biochemistry*, Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA. **Annual subscription rates:** United States and possessions: individual, \$387; institution, \$2109; single issues, \$200. All other countries: individual, \$442; institution, \$2395.

nadvadal, 3387; Institution, \$2109; Single Issues, \$200. All other countries: individual, \$442; institution, \$2395.

Orders, claims, and journal inquiries: Please contact the Elsevier Customer Service Department nearest you:

St. Louis: Elsevier Customer Service Department, 3251 Riverport Lane, Maryland Heights, MO 63043, USA; phone: (800) 654-2452 [toll free within the USA]; (+1) (314) 447-8871 [outside the USA]; fax: (+1) (314) 447-8029; e-mail: JournalCustomerService-usa@ elsevier.com.

Oxford: Elsevier Customer Service Department, The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843434; fax: (+44) (1865) 843970; e-mail: JournalScustomerServiceEMEA@elsevier.com.

Tokyo: Elsevier Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: JournalScustomerService]apan@elsevier.com.

Singapore: Elsevier Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: JournalscustomerServiceAPAC@elsevier.com.

Advertising information: Advertising orders and enquiries can be cent for USA.

elsevier.com.

Advertising information: Advertising orders and enquiries can be sent to: USA, Canada and South America: Tino DeCarlo, Advertising Sales Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710, USA; phone: (+1) (212) 633-3815; fax: (+1) (212) 633-3820; e-mail: Ldecarlo@elsevier.com.

Reprints: To order 100 or more reprints for educational, commercial, or promotional use, contact the Commercial Reprints Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710; E-mail: reprints@elsevier.com. **Author information:** For full and complete Author Information,

please go to: http://journals.elsevierhealth.com/periodicals/jnb/authorinfo.

inb/authorinfo.

Author inquiries: For inquiries relating to the submission of articles (including electronic submission where available) please visit this journal's homepage at http://journals.elsevierhealth.com/periodicals/jnb. You can track accepted articles at http://www.elsevier.com/trackarticle and set up e-mail alerts to inform you of when an article's status has changed. Also accessible from here is information on copyright, frequently asked questions and more. Contact details for questions arising after acceptance of an article acceptance will be provided.

cle, especially those relating to proofs, will be provided by the publisher. Funding body agreements and policies: Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential appear in journals published by Elsevier, to comply with potentian manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit http://www.elsevier.com/fuundingbodies.

② 2012 Elsevier Inc. All rights reserved. This journal and the individual contributions contained in it are protected under copy-

right by Elsevier Inc., and the following terms and conditions apply to their use:

Photocopying: Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the Publisher and payment of a fee is required for all Permission of the Publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use. For information on how to seek permission visit www.elsevier.com/permissions or call: (+44) 1865 843830 (UK) / (+1) 215 239 3804 (USA).

Derivative Works: Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution. Permission of the Publisher is required for all other derivative works, including compilations and translations (please consult www.elsevier.com/permissions).

Electronic Storage or Usage: Permission of the Publisher is

www.elsevier.com/permissions).

Electronic Storage or Usage: Permission of the Publisher is required to store or use electronically any material contained in this journal, including any article or part of an article (please consult www.elsevier.com/permissions). Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the Publisher.

Notice: No responsibility is assumed by the Publisher for any

written permission of the Publisher.

Notice: No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made. Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer. its manufacturer.

The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

The Journal of

Nutritional Biochemistry

CONTENTS

REVIEWS: CURRENT TOPICS

The role of fructose-enriched diets in mechanisms of nonalcoholic fatty liver disease Kyoko Nomura, Toshikazu Yamanouchi

RESEARCH ARTICLES

- All-trans retinoic acid modifies the expression of clock and disease marker genes Hadas Sherman, Roee Gutman, Nava Chapnik, Jenny Meylan, Johannes le Coutre, Oren Froy
- 218 Eicosapentaenoic acid inhibits tumour necrosis factor- α -induced lipolysis in murine cultured adipocytes Silvia Lorente-Cebrián, Matilde Bustos, Amelia Marti, Marta Fernández-Galilea, J. Alfredo Martinez, Maria J. Moreno-Aliaga
- 228 Piceatannol inhibits migration and invasion of prostate cancer cells: possible mediation by decreased interleukin-6 signaling Gyoo Taik Kwon, Jae In Jung, Hye Rim Song, Eun Young Woo, Jong-Gab Jun, Jin-Kyung Kim, Song Her, Jung Han Yoon Park
- 239 Dietary saturated fat, gender and genetic variation at the TCF7L2 locus predict the development of metabolic syndrome Catherine M. Phillips, Louisa Goumidi, Sandrine Bertrais, Martyn R. Field, Ross McManus, Serge Hercberg, Denis Lairon, Richard Planells, Helen M. Roche
- 245 Curcumin treatment prevents increased proteasome and apoptosome activities in rat skeletal muscle during reloading and improves subsequent recovery Emilie Vazeille, Lamia Slimani, Agnès Claustre, Hugues Magne, Roland Labas, Daniel Béchet, Daniel Taillandier, Dominique Dardevet, Thierry Astruc, Didier Attaix, Lydie Combaret
- 252 Beneficial effect of docosahexaenoic acid on cholestatic liver injury in rats Wen-Ying Chen, Shih-Yi Lin, Hung-Chuan Pan, Su-Lan Liao, Yu-Han Chuang, Yu-Ju Yen, Szu-Yin Lin, Chun-Jung Chen
- Intake of trans fatty acids during gestation and lactation leads to hypothalamic 265 inflammation via TLR4/NFxBp65 signaling in adult offspring Gustavo D. Pimentel, Fábio S. Lira, José C. Rosa, Juliana L. Oliveira, Ana C. Losinskas-Hachul, Gabriel I.H. Souza, Maria das Graças T. do Carmo, Ronaldo V.T. Santos, Marco T. de Mello, Sérgio Tufik, Marília Seelaender, Lila M. Oyama, Cláudia M. Oller do Nascimento, Regina H. Watanabe, Eliane B. Ribeiro, Luciana P. Pisani
- Association of MAOA and COMT gene polymorphisms with palatable food intake in children Ananda C.S. Galvão, Raquel C. Krüger, Paula D.B. Campagnolo, Vanessa S. Mattevi, Márcia R. Vitolo, Silvana Almeida
- 278 Apple procyanidins induce hyperpolarization of rat aorta endothelial cells via activation of K⁺ channels Eui-Baek Byun, Sachiko Korematsu, Teruaki Ishikawa, Taichi Nishizuka, Shunji Ohshima, Tomomasa Kanda, Toshiro Matsui
- 287 Role of G1359A polymorphism of the cannabinoid receptor gene on weight loss and adipocytokines levels after two different hypocaloric diets Daniel Antonio de Luis, Manuel Gonzalez Sagrado, Rocio Aller, Rosa Conde, Olatz Izaola, Beatriz de la Fuente, David Primo
- 292 Tocopherol abolishes postprandial increases in plasma methylglyoxal γ-10copiletor abolishes postprandian incleases in particular following an oral dose of glucose in healthy, college-aged men Christopher Masterjohn, Eunice Mah, Yi Guo, Sung I. Koo, Richard S. Bruno
- 299 Fish oil supplementation of maternal rats on an n-3 fatty acid-deficient diet prevents depletion of maternal brain regional docosahexaenoic acid levels and has a postpartum anxiolytic effect Hui-Feng Chen, Hui-Min Su
- 306 Taurine supplementation restores glucose and carbachol-induced insulin secretion in islets from low-protein diet rats: involvement of Ach-M3R, Synt 1 and SNAP-25 proteins Thiago M. Batista, Rosane A. Ribeiro, Andressa G. Amaral, Camila A.M. de Oliveira, Antonio C. Boschero, Everardo M. Carneiro

This journal is indexed in BIOSIS; Current Awareness in Biological Sciences; Scisearch; Science Citation Index; Research Alert; EMBASE/Excerpta Medica; Medline; PubMed; and Current Contents.