

The Journal of Nutritional Biochemistry (JNB) is an international journal devoted to advancements in nutrition science. Its major focus is on investigations about nutrients that overlap with the areas of biochemistry molecular biology, neurochemistry, toxicology, and pharmacology. For details concerning the preparation of manuscripts see Information for Authors on the journal's website at www.jnutbio.com.

JNB: *Journal of Nutritional Biochemistry* (ISSN: 0955-2863) is published monthly by Elsevier, 360 Park Avenue South, New York, NY 10010-1710. Business Office: 1600 John F. Kennedy Blvd., Suite 1800, Philadelphia, PA 19103-2899. Editorial Office: 360 Park Avenue South, New York, NY 10010-1710. Accounting and Circulation Offices: 3251 Riverport Lane, Maryland Heights, MO 63043. Periodicals postage paid at New York, NY and additional mailing offices.

POSTMASTER: Send address changes to JNB: *Journal of Nutritional Biochemistry*, Elsevier Health Sciences Division, Subscription Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043.

Subscription Rates (2009): Institutional price: US\$1,703.00; Personal price: US\$328.00; Prices include postage and are subject to change without notice. Claims for missing issues can be honored only up to three months for domestic addresses, six months for foreign addresses. Duplicate copies will not be sent to replace one undelivered through failure to notify Elsevier of change of address. Single copy and back volume information available upon request.

Customer service (orders, claims, online, change of address): Elsevier Health Sciences Division, Subscription Customer Service, 3251 Riverport Lane, Maryland Heights, MO 63043. Tel: (800) 654-2452 (U.S. and Canada); (314) 447-8871 (outside U.S. and Canada). Fax: (314) 447-8029. E-mail: JournalsCustomerService-usa@elsevier.com (for print support); JournalsOnlineSupport-usa@elsevier.com (for online support).

Reprints: For copies of 100 or more of articles in this publication, please contact the Commercial Reprints Department, Elsevier Inc., 360 Park Avenue South, New York, NY 10010-1710. Tel: (212) 633-3812; Fax: (212) 462-1935 e-mail: reprints@elsevier.com or visit www.elsevierreprints.com.

© 2009 Elsevier Inc. All rights reserved.

This journal and the individual contributions contained in it are protected under copyright 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 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.

Permission may be sought directly from Elsevier's Global Rights Department in Oxford, UK; phone: 215-239-3804 or +44 (0) 1865 843830, fax: +44 (0) 1865 853333, e-mail: healthpermissions@elsevier.com. Requests may also be completed online via the Elsevier homepage (<http://www.elsevier.com/permissions>).

In the USA, users may clear permissions and make payments through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA; Tel: (978) 750 8400, Fax: (978) 750-4744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK; Tel: (+44) 171 436 5931; Fax: (+44) 171 436 3986. Other countries may have a local reprographic rights agency for payments.

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.

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. Contact the publisher at the address indicated.

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.

Address permissions requests to: Elsevier Inc. Rights & Permissions Department, at the mail, fax and e-mail addresses noted above.

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.

© This paper meets the requirements of ANSI Standard Z39.48-1992 (Permanence of Paper).

The Journal of Nutritional Biochemistry

Volume 20, Number 10, October 2009

CONTENTS

REVIEWS: CURRENT TOPICS

- 743** Gastrointestinal microflora, food components and colon cancer prevention
Cindy D. Davis, John A. Milner

RESEARCH ARTICLES

- 753** Inhibitory mechanisms of *Agaricus blazei* Murill on the growth of prostate cancer in vitro and in vivo
Ching-Han Yu, Shu-Fen Kan, Chin-Hang Shu, Ting-Jang Lu, Lucy Sun-Hwang, Paulus S. Wang
- 765** Polymorphisms of MRP2 (*ABCC2*) are associated with susceptibility to nonalcoholic fatty liver disease
Silvia Sookoian, Gustavo Castaño, Tomas Fernández Gianotti, Carolina Gemma, Carlos Jose Pirola
- 771** Maternal dexamethasone and GLP-2 have early effects on intestinal sugar transport in their suckling rat offspring
Laurie A. Drozdowski, Claudiu Iordache, M. Tom Clandinin, Zoe Todd, Maud Gonnet, Gary Wild, Richard R.E. Uwiera, Alan B.R. Thomson
- 783** Dietary supplementation with zinc oxide stimulates ghrelin secretion from the stomach of young pigs
Jingdong Yin, Xilong Li, Defa Li, Tao Yue, Qian Fang, Jianjun Ni, Xuan Zhou, Guoyao Wu
- 791** Dietary supplementation with selenomethylselenocysteine produces a differential proteomic response
Andrea V. Mahn, Hector M. Toledo, Manuel Ruz
- 800** 5-Caffeoylquinic acid and caffeic acid orally administered suppress P-selectin expression on mouse platelets
Jae B. Park
- 806** Identification of a novel agonist of peroxisome proliferator-activated receptors α and γ that may contribute to the anti-diabetic activity of guggulipid in *Lep^{ob}/Lep^{ob}* mice
Claire L. Cornick, Barbara H. Strongitharm, Gary Sassano, Christopher Rawlins, Andrew E. Mayes, Alison N. Joseph, Jacqueline O'Dowd, Claire Stocker, Ed Wargent, Michael A. Cawthorne, A. Louise Brown, Jonathan R.S. Arch
- 816** Green and black tea extracts inhibit HMG-CoA reductase and activate AMP kinase to decrease cholesterol synthesis in hepatoma cells
Dev K. Singh, Subhashis Banerjee, Todd D. Porter
- 823** Mitochondrial and sarcoplasmic protein changes in hearts from copper-deficient rats: up-regulation of PGC-1 α transcript and protein as a cause for mitochondrial biogenesis in copper deficiency
Denis M. Medeiros, Yu Jiang, Darcey Klaahsen, Dingbo Lin

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*.