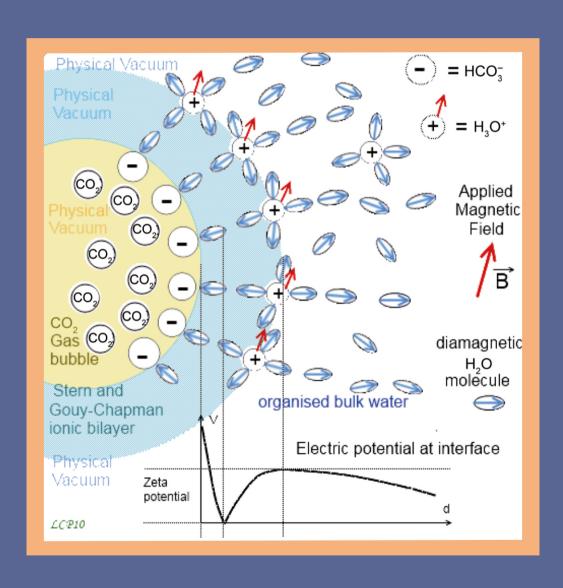


Neuroscience and Medicine





Journal Editorial Board

ISSN: 2158-2912 (Print) ISSN: 2158-2947 (Online)

http://www.scirp.org/journal/nm

Editor-in-Chief

Prof. Thomas Müller St. Joseph Hospital Berlin-Weißensee, Germany

Editorial Board

Dr. Craig Stephen Atwood University of Wisconsin, USA

Prof. Ben A. Bahr University of North Carolina - Pembroke, USA

Prof. Jackson C. BittencourtUniversity of Sao Paulo, BrazilProf. Gerson ChadiUniversity of Sao Paulo, BrazilProf. Malay ChatterjeeJadavpur University, IndiaProf. Gamal H. A. El-SokkaryAssiut University, EgyptDr. Claire Louise GibsonUniversity of Leicester, UKDr. Carl-Albrecht HaenschUniversity of Witten, Germany

Dr. Deborah Ann Hall Rush University, USA

Prof. Hee Tae, KIM Hanyang University College of Medicine, Korea (South)

Dr. Athanasia Kotini University of Thrace, Greece

Prof. K. P. Mohanakumar Indian Institute of Chemical Biology, India

Prof. George Perry
The University of Texas, USA
Prof. Matteo Antonio RUSSO
University of Rome, Italy

Prof. John Raymond Smythies University of California San Diego, USA

Prof. Bing-wen SoongNational Yang-Ming University, Chinese TaipeiProf. Hermona SoreqThe Hebrew University of Jerusalem, Israel

Dr. Zheng Su Genentech Inc, USA

Dr. Cory TothUniversity of Calgary, CanadaDr. David VauzourUniversity of East Anglia, UKProf. Moo-Ho WonHallym University, Korea (South)

Prof. Yukihiko Yasui Shimane University School of Medicine, Japan
Prof. Ken Kin Lam Yung Hong Kong Baptist University, Hong Kong (China)

Editorial Assistant

Joyce Yin Scientific Research Publishing Email: nm@scirp.org

Guest Reviewers

Vladan BajicHaim EinatJoshua J. ParkFederico Bermúdez-RattoniIda GerendaiYoshida SeiichiEtienne ChalletQuintas Luis Eduardo M.Masato Taira

Isabelle Cloez-Tayarani Quan hong Ma



TABLE OF CONTENTS

Volume 2 Number 3	September 2011
Cellular Perception: When the Cell Model Includes a Sense Ordo	er which Ensues from a Philosophy of
Nature, the Signaling and Epigenetics Effects which Can Result	from Exposure to Magnetic Fields Are
Described Better	
P. Le Chapellier, B. Matta	161
Electroencephalographic Abnormalities in Patients with Idiopati	hic Insomnia
D. Y. A. Lechuga, O. S. Escandón, M. C. Corona, C. C. Montoya, G. R. Rob	les, A. J. Anguiano, O. P. García,
J. V. Moctezuma	178
Affective Responses of Early Life Photoperiod in Male Wistar R	
N. Benabid, A. Ouichou	
Nutritional Quality of Breakfast Affects Cognitive Function: An	•
Y. Akitsuki, S. Nakawaga, M. Sugiura, R. Kawashima	192
Neuroprotective Effects of Vitamin D in Multiple Sclerosis	
M. H. Cadden, N. S. Koven, M. K. Ross.	
Mitogen-Activated Protein Kinase Pathways Following Traumat	• •
N. Otani, H. Nawashiro, K. Nagatani, S. Takeuchi, H. Kobayashi, K. Shima.	
The Unexpected Capability of Melanin to Split the Water Molecule	
M. del C. Arias-Esparza, R. I. S. Arias, P. E. S. Arias, M. P. S. Arias,	
A Prospective, Open-Label, 12 Week Trial of S-adenosylmethion	ine in the Symptomatic Treatment of
Alzheimer's Disease	
M. L. Rudolph, M. Rabinoff, B. L. Kagan	222
PKR and PP1C Polymorphisms in Alzheimer's Disease Risk	
E. Palomer, G. ILL-Raga, M. Tajes, E. Ramos-Fernández, M. Bosch-Morato	
M. Boada, L. M. Real, C. Fandos, F. J. Muñoz	
Brain Interactions between Extinction and Reconsolidation in th	
D. Sartor, N. G. Fiorenza, J. de C. Myskiw, I. Izquierdo	
The Functions of the Amyloid Precursor Protein Gene and Its De	erivative Peptides: II Experimental
Evidence and Clinical Studies	
P. K. Panegyres, E. R. Atkins	
L-Serine Decreases Taurine Concentration in the Extracellular Flui	
K. Shigemi, K. Tanaka, K. Hayamizu, D. M. Denbow, M. Furuse	
Some Aspects of the Normal Role of Neuromodulators in the Imp	mune System
J. Smythies	
Alteration of the Expression Levels of Rab3A Affects the Extent of	Transcytosis of HRP-Labeled Marker
Proteins in Rat CNS Neurons	
Y. Takeuchi, Y. Matsumoto, T. Miki, K. Warita, ZY. Wang, K. S. Bedi, T. Y.	Yakura, JQ. Liu282

Copyright © 2011 SciRes.

Neuroscience & Medicine, 2011, 2, 161-298

Published Online September 2011 in SciRes (http://www.SciRP.org/journal/nm/)



Insomnia Symptoms and Sleep Duration Are Associated with Impaired Cardiac Autonomic Modulation is	n
Children	
S. M. Rodríguez-Colón, F. He, M. L. Shaffer, X. Li, A. N. Vgontzas, E. O. Bixler, RL. Wu, DP. Liao	288
Etodolac Attenuates Hippocampal Blood Flow Responses Induced by Tooth Pulp Stimulation in Rats	
M. Hasegawa, J. Hada, T. Abe, N. Ohtsu, K. Honda, M. Urade	295

The figure on the front cover is from the article published in Neuroscience & Medicine, 2011, Vol. 2, No. 3, pp. 161-177 by Pierre Le Chapellier, Badri Matta.

Copyright © 2011 SciRes.

Neuroscience & Medicine

Journal Information

SUBSCRIPTIONS

The *Neuroscience & Medicine* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 per copy.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright© 2011 Scientific Research Publishing, Inc.

All Rights Reserved. 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, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

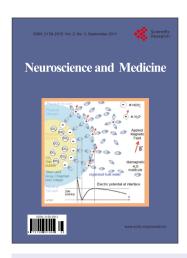
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assumes no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: nm@scirp.org



Neuroscience & Medicine

ISSN: 2158-2912 (Print) ISSN: 2158-2947 (Online) http://www.scirp.org/journal/nm

Neuroscience & Medicine (NM) is a peer reviewed international journal dedicated to the latest advancement of neuroscience. The goal of this journal is to keep a record of the state-of-the-art research and to promote study, research and improvement within its various specialties.

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Autonomic Nervous System
- Alzheimer's Disease
- Biological Psychology
- Cell Proliferation
- Dimorphic Sexual-Behavior
- Drug/Alcohol Effects
- Hebbian Learning
- Hypothalamic-Pituitary-Gonadal Axis
- Memory Loss
- Neurobiology
- Neurocytology
- Neuroendocrinology

- Neuroimmunology
- Neurology
- Neurosurgery
- Neurotransmitters
- · Organizational/Activational Effects of Hormones
- · Parkinson's Disease
- Physiological Psychology
- Protein Trafficking
- . Sensory Processing
- Social Neuroscience
- Voltage-Gated Ion Channels

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **NM**.

Notes for Intending Authors

All manuscripts submitted to NM must be previously unpublished and may not be considered for publication elsewhere at any time during NM's review period. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. Additionally, accepted ones will immediately appear online followed by printed in hard copy. For more details about the submissions, please access the website.

Website and E-Mail

http://www.scirp.org/journal/nm Email: nm@scirp.org

