

Nutrigenomics – Opportunities in Asia

Editors: **E. Shyong Tai, Peter J. Gillies**

Contents

Preface: **Tai, E.S.; Gillies, P.J.**

Concepts and Methods in Nutrigenomics

Nutrition in the 'Omics' Era: **Milner, J.A.**

Nutrigenetics: **El-Sohehy, A.**

Epigenomics and Nutrition: **Cobiac, L.**

Early Nutrition: Impact on Epigenetics:
Mathers, J.C.

Nutrition and Genome Health: **Fenech, M.**

Nutrition: Ethics and Social Implications:

Slamet-Loedin, I.H.; Jenie, U.A.

Proteomics: **Thongboonkerd, V.**

Diet and Genomic Stability: **Young, G.P.**

High-Throughput Genotyping: **Lee, J.-E.**

Nutrigenomics and Health

Nutrient-Gene Interactions in Lipoprotein
Metabolism – An Overview: **Ordovas, J.M.;**
Corella, D.; Kaput, J.

The Genetics of Lipoprotein Metabolism and
Heart Disease: **Tai, E.S.**

Gene-Environment Interactions and the

Diabetes Epidemic in India: **Mohan, V.;**

Sudha, V.; Radhika, G.; Radha, V.; Rema, M.;

Deepa, R.

Gene Expression in Low Glycemic Index

Diet – Impact on Metabolic Control: **Takeda, E.;**

Arai, H.; Muto, K.; Matsuo, K.; Sakuma, M.;

Fukaya, M.; Yamanaka-Okumura, H.; Yamamoto, H.;

Taketani, Y.

Genetic Polymorphisms in Folate-Metaboliz-

ing Enzymes and Risk of Gastroesophageal

Cancers: A Potential Nutrient-Gene

Interaction in Cancer Development: **Lin, D.;**

Li, H.; Tan, W.; Miao, X.; Wang, L.

Dietary Quercetin Inhibits Proliferation of

Lung Carcinoma Cells: **Hung, H.**

Osteoporosis: The Role of Genetics and

the Environment: **Ongphiphadhanakul, B.**

Application of Nutrigenomics in Eye Health:

Delcourt, C.

Nutrigenomics – Applications to the Food Industry

Nutrigenomics of Taste – Impact on
Food Preferences and Food Production:

El-Sohehy, A.; Stewart, L.; Khataan, N.;

Fontaine-Bisson, B.; Kwong, P.; Ozsungur, S.;

Cornelis, M.C.

Prospects for Improving the Nutritional

Quality of Dairy Meat Products: **Coffey, S.G.**

Functionality of Probiotics – Potential for

Product Development: **Dekker, J.; Collett, M.;**

Prasad, J.; Gopal, P.

Conclusion

Developing the Promise of Nutrigenomics
through Complete Science and International

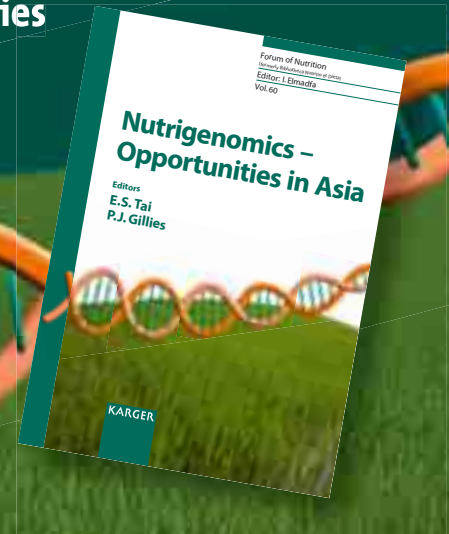
Collaborations: **Kaput, J.**

Executive Summary

ILSI's First International Conference on

Nutrigenomics: Opportunities in Asia:

Florentino, R.F.



Nutrigenomics seeks to understand the variability of the individual's response to food and the underlying mechanisms whereby foods exert their health-promoting activities. With a deeper molecular understanding of nutrition, we may some day be able to design diets that truly maximize an individual's potential for health and wellness.

Many Asian societies are currently experiencing a transition in diet-related morbidity and mortality. The identification and provision of an optimal diet relevant to all the people living in Asia is an extraordinary challenge as there exists a tremendous diversity in diet, dietary intake patterns, local culture, and nutritional needs. This volume explores the role of ethnic diversity, dietary patterns and genetic adaptation in determining individual nutrient requirements throughout the life-cycle. Conceptualized as an introductory publication providing a general overview as well as specific examples of the applications of concepts and methods, this publication will help scientists, medical, nutrition and other health professionals to learn more about the field of nutrigenomics.

Fields of Interest:

Nutrition, Genetics, Genomics, Metabolism, Oncology

KARGER

Forum of Nutrition, Vol. 60

Nutrigenomics – Opportunities in Asia

Editors: Tai, E.S. (Singapore); Gillies, P.J. (Newark, Del.)

XII + 248 p., 26 fig., 1 in color, 10 tab., hard cover, 2007

CHF 254.- / EUR 181.50 / USD 231.00

Prices subject to change. EUR price for Germany, USD price for USA only

ISBN 978-3-8055-8216-2

e-ISBN 978-3-318-01499-0

Forum of Nutrition

Series Editor: Elmadfa, I. (Vienna)

ISSN 1660-0347

Previous Volumes

Vol. 59

Local Mediterranean Food Plants and Nutraceuticals

Editors: Heinrich, M. (London); Müller, W.E. (Frankfurt); Galli, C. (Milano)
XII + 186 p., 24 fig., 23 tab., hard cover, 2006
CHF 228.- / EUR 163.- / USD 207.25
ISBN 978-3-8055-8124-0
e-ISBN 978-3-318-01352-8

Vol. 58

European Nutrition and Health Report 2004

Editors: Elmadfa, I.; Weichselbaum, E. (Vienna)
XVI + 224 p., 80 fig., 233 tab., hard cover, 2005
CHF 228.- / EUR 163.- / USD 207.25
ISBN 978-3-8055-7905-6
e-ISBN 978-3-318-01501-0

Vol. 57

Diet Diversification and Health Promotion

Editor: Elmadfa, I. (Vienna)
VIII + 174 p., 28 fig., 45 tab., hard cover, 2005
CHF 228.- / EUR 163.- / USD 207.25
ISBN 978-3-8055-7872-1
e-ISBN 978-3-318-01183-8

Prices subject to change
EUR price for Germany, USD price for USA only

Forum of Nutrition Order Form

For easy ordering or further information
about the series log on to: www.karger.com/endev

Please send:

___ copy/ies:
Vol. 60: **Nutrigenomics – Opportunities in Asia**
CHF 254.- / EUR 181.50 / USD 231.00
ISBN 978-3-8055-8216-2

___ copy/ies: _____
ISBN 3-8055-_____

The book series **Forum of Nutrition** on continuation
beginning with Vol. _____

All Karger series are available on continuation.
Each new title will be sent upon publication until order
is countermanded.

Postage and handling free with prepayment

Payment

Check enclosed Please bill me
Please charge this order to my credit card
 American Express Diners Visa
 Eurocard Mastercard

Card No.: _____

Exp. date: _____

CVV/CVC: _____
3 digits in the signature field on the back of Visa and Mastercard

Name/Address (please print):

Date: _____

Signature: _____

Orders can be placed at agencies, bookstores, directly with the
publisher, or with any Karger distributor.

S. Karger AG, P.O. Box, 4009 Basel (Switzerland)
Fax +41 61 306 12 34, E-Mail orders@karger.ch
USA: S. Karger Publishers, Inc., 26 West Avon Road, P.O. Box 529,
Unionville, CT 06085 (USA), Toll free: 1-800-828-5479
Germany: S. Karger GmbH, 79095 Freiburg
France: Librairie Médi-sciences, 75007 Paris
Gulf Council Countries, Iran, Middle East, North Africa, Turkey:
Trans Middle East Internat. Distribution Co. Ltd., KaSha,
Amman 11953 (Jordan)
Japan: Karger Japan, Inc., Tokyo 113-0034

For details and further representatives and agencies see
www.karger.com/worldwide

www.karger.com/fornut

KARGER