

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment

ISSN: 0250-7005

Volume 30, Number 8, August 2010
Proceedings of the 13th Annual Meeting
of the Society of Biotherapeutic Approaches,
December 5, 2009, Takamatsu, Japan.
Special Issue Edited by G.I. Soma, M. Kuroki, S. Miyake

Contents

Preface	3103
* Review: Emerging Strategies for ErbB Ligand-based Targeted Therapy for Cancer. H. TSUJIOKA, F. YOTSUMOTO, K. SHIROTA, S. HORIUUCHI, T. YOSHIZATO, M. KUROKI, S. MIYAMOTO (<i>Fukuoka, Japan</i>)	3107
* Review: Recovery from Immunosuppression-related Disorders in Humans and Animals by IP-PA1, An Edible Lipopolysaccharide. T. HEBISHIMA, Y. MATSUMOTO, G. WATANABE, G.-I. SOMA, C. KOHCHI, K. TAYA, Y. HAYASHI, Y. HIROTA (<i>Tokyo; Tokushima; Kagawa; Gifu, Japan</i>)	3113
Apoptosis as a Possible Candidate Mechanism for Removal of Tamoxifen-related Endometrial Cells with KRAS Mutations. H. TSUJIOKA, T. HACHISUGA, S. HIKITA, T. UEDA, F. YOTSUMOTO, K. SHIROTA, T. YOSHIZATO, T. KAWARABAYASHI, M. KUROKI, S. MIYAMOTO (<i>Fukuoka; Kitakyushu, Japan</i>)	3119
Lymphokine-activated Killer Cell Therapy Combined with High-dose Glucocorticoid Showed Clinical Efficacy towards Advanced Lung Carcinoma. M. KATO, S. GOTO, G.-I. SOMA (<i>Tokyo; Tokushima; Kagawa-ken; Chiba-ken, Japan</i>)	3125
Antitumor Effect of Inhalatory Lipopolysaccharide and Synergetic Effect in Combination with Cyclophosphamide. K. HIROTA, Y. OISHI, H. TANIGUCHI, K. SAWACHI, H. INAGAWA, C. KOHCHI, G.-I. SOMA, H. TERADA (<i>Chiba; Yamaguchi; Tokushima; Kagawa, Japan</i>)	3129

Contents continued on the back cover

ANTICANCER RESEARCH

International Journal of Cancer Research and Treatment



ISSN (print): 0250-7005

ISSN (online): 1791-7530

Editorial Board

- B. B. AGGARWAL**, Houston, TX, USA
J. P. ARMAND, Toulouse, France
V. I. AVRAMIS, Los Angeles, CA, USA
R. C. BAST, Houston, TX, USA
G. BAUER, Freiburg, Germany
E. E. BAULIEU, Le Kremlin-Bicetre, France
Y. BECKER, Jerusalem, Israel
E. J. BENZ, Jr., Boston, MA, USA
J. BERGH, Stockholm, Sweden
D. D. BIGNER, Durham, NC, USA
A. BÖCKING, Disseldorf, Germany
G. BONADONNA, Milan, Italy
F. T. BOSMAN, Lausanne, Switzerland
G. BROICH, Milan, Italy
J. M. BROWN, Stanford, CA, USA
Ø. S. BRULAND, Oslo, Norway
M. M. BURGER, Basel, Switzerland
M. CARBONE, Honolulu, HI, USA
J. CARLSSON, Uppsala, Sweden
A. F. CHAMBERS, London, ON, Canada
P. CHANDRA, Frankfurt am Main, Germany
L. CHENG, Indianapolis, IN, USA
J.-G. CHUNG, Taichung, Taiwan, ROC
E. DE CLERCQ, Leuven, Belgium
W. DE LOECKER, Leuven, Belgium
W. DEN OTTER, Amsterdam, The Netherlands
E. P. DIAMANDIS, Toronto, ON, Canada
G. TH. DIAMANDOPOULOS, Boston, MA, USA
W. EBERT, Heidelberg, Germany
J. A. FERNANDEZ-POL, Chesterfield, MO, USA
I. J. FIDLER, Houston, TX, USA
G. GABBIANI, Geneva, Switzerland
R. GANAPATHI, Cleveland, OH, USA
A. F. GAZDAR, Dallas, TX, USA
A. GIORDANO, Philadelphia, PA, USA
G. GITSCH, Freiburg, Germany
R. H. GOLDFARB, Princeton, NJ, USA
J. W. GORROD, Colchester, Essex, UK
S. HAMMARSTRÖM, Umeå, Sweden
I. HART, London, UK
I. HELLSTRÖM, Seattle, WA, USA
L. HELSON, Valhalla, NY, USA
R. B. HERBERMAN, Pittsburgh, PA, USA
R. M. HOFFMAN, San Diego, CA, USA
C. G. IOANNIDES, Houston, TX, USA
S. C. JHANWAR, New York, NY, USA
J. V. JOHANNESSEN, Oslo, Norway
B. KAINA, Mainz, Germany
B. K. KEPPLER, Vienna, Austria
D. G. KIEBACK, Dresden, Germany
R. KLAPDOR, Hamburg, Germany
U. R. KLEEBERG, Hamburg, Germany
P. KLEIHUES, Zürich, Switzerland
E. KLEIN, Stockholm, Sweden
S. VON KLEIST, Freiburg, Germany
S. D. KOTTARIDIS, Athens, Greece
- G. R. F. KRUEGER**, Köln, Germany
D. W. KUFE, Boston, MA, USA
Pat M. KUMAR, Manchester, UK
Shant KUMAR, Manchester, UK
M. KUROKI, Fukuoka, Japan
O. D. LAERUM, Bergen, Norway
F. J. LEJEUNE, Lausanne, Switzerland
L. F. LIU, Piscataway, NJ, USA
D. M. LOPEZ, Miami, FL, USA
E. LUNDGREN, Umeå, Sweden
H. T. LYNCH, Omaha, NE, USA
J. MARESCAUX, Strasbourg, France
J. MARK, Skövde, Sweden
J. F. MARSHALL, London, UK
D. MEDINA, Houston, TX, USA
S. MITRA, Galveston, TX, USA
M. MUELLER, Heidelberg, Germany
F. M. MUGGIA, New York, NY, USA
M. J. MURPHY, Jr., Dayton, OH, USA
R. NARAYANAN, Boca Raton, FL, USA
K. NILSSON, Uppsala, Sweden
J. F. NOVAK, Lewisburg, PA, USA
S. PATHAK, Houston, TX, USA
S. PESTKA, Piscataway, NJ, USA
G. J. PILKINGTON, Portsmouth, UK
C. D. PLATSOUKAS, Norfolk, VA, USA
F. PODO, Rome, Italy
A. POLLIACK, Jerusalem, Israel
M. F. RAJEWSKY, Essen, Germany
G. REBEL, Strasbourg, France
M. RIGAUD, Limoges, France
U. RINGBORG, Stockholm, Sweden
M. ROSELLI, Rome, Italy
A. SCHAUER, Göttingen, Germany
M. SCHNEIDER, Wuppertal, Germany
A. SETH, Toronto, ON, Canada
G. V. SHERBET, Newcastle-upon-Tyne, UK
G.-I. SOMA, Tokushima, Japan
G. S. STEIN, Worcester, MA, USA
T. STIGBRAND, Umeå, Sweden
D. TARIN, La Jolla, CA, USA
T. M. THEOPHANIDES, Athens, Greece
B. TOTH, Omaha, NE, USA
P. M. UELAND, Bergen, Norway
P. T. VIHKO, Oulu, Finland
M. VOLM, Heidelberg, Germany
G. WEBER, Indianapolis, IN, USA
B. WESTERMARK, Uppsala, Sweden
B. ZUMOFF, New York, NY, USA
- J. G. DELINASSIOS**, Athens, Greece
Managing Editor and Executive Publisher
S. AZOUDIS, Surrey, BC, Canada
Assistant Managing Editor
E. ILIADIS, Athens, Greece
Production Editor

Editorial Office: International Institute of Anticancer Research, 1st km Kapandritiou-Kalamou Rd., Kapandriti, P.O. Box 22, Attiki 19014, Greece. Tel / Fax: +30-22950-53389.

E-mails: Editorial Office: journals@iiaar-anticancer.org
Managing Editor: editor@iiaar-anticancer.org

ANTICANCER RESEARCH supports: (a) the establishment and the activities of the INTERNATIONAL INSTITUTE OF ANTICANCER RESEARCH (IAR; Kapandriti, Attiki, Greece); and (b) the organization of the International Conferences of Anticancer Research.

For more information about ANTICANCER RESEARCH, IAR and the Conferences, please visit the IAR website: www.iiaar-anticancer.org

Publication Data: ANTICANCER RESEARCH (AR) is published monthly from January 2009. Each annual volume comprises 12 issues. Annual Author and Subject Indices are included in the last issue of each volume. ANTICANCER RESEARCH Vol. 24 (2004) and onwards appears online with Stanford University HighWire Press from April 2009.

Copyright: On publication of a manuscript in AR, which is a copyrighted publication, the legal ownership of all published parts of the paper passes from the Author(s) to the Journal.

Annual Subscription Rates 2010 per volume: Institutional subscription Euro 1,650.00 - online; Euro 1,670.00 - print; Euro 1,700.00 - print & online. Personal subscription Euro 780.00 - online; Euro 800.00 - print; Euro 830 - print & online. Prices include rapid delivery and insurance. The complete previous volumes of Anticancer Research (Vol. 1-29, 1981-2009) are available at 50% discount on the above rates.

Subscription Orders: Orders can be placed at agencies, bookstores, or directly with the Publisher. Cheques should be made payable to J.G. Delinassios, Executive Publisher of Anticancer Research, Athens, Greece, and should be sent to the Editorial Office.

Advertising: All correspondence and rate requests should be addressed to the Editorial Office.

Book Reviews: Recently published books and journals should be sent to the Editorial Office. Reviews will be published within 2-4 months.

Articles in ANTICANCER RESEARCH are regularly indexed in all bibliographic services, including Current Contents (Life Sciences), Science Citation Index, Index Medicus, Biological Abstracts, PubMed, Chemical Abstracts, Excerpta Medica, University of Sheffield Biomedical Information Service, Current Clinical Cancer, AIDS Abstracts, Elsevier Bibliographic Database, EMBASE, Compendex, GEOBASE, EMBiology, Elsevier BIOBASE, FLUIDEX, World Textiles, Scopus, Progress in Palliative Care, Cambridge Scientific Abstracts, Cancergram (International Cancer Research Data Bank), MEDLINE, Reference Update - RIS Inc., PASCAL-CNRS, Inpharma-Reactions (Datastar, BRS), CABS, Immunology Abstracts, Telegen Abstracts, Genetics Abstracts, Nutrition Research Newsletter, Dairy Science Abstracts, Current Titles in Dentistry, Inpharma Weekly, BioBase, MedBase, CAB Abstracts/Global Health Databases, Investigational Drugs Database, VINITI Abstracts Journal, Leeds Medical Information, PubsHub, Sociedad Iberoamericana de Información Científica (SIIC) Data Bases.

Authorization to photocopy items for internal or personal use, or the internal or personal clients, is granted by ANTICANCER RESEARCH, provided that the base fee of \$2.00 per copy, plus 0.40 per page is paid directly to the Copyright Clearance Center, 27 Congress Street, Salem, MA 01970, USA. For those organizations that have been granted a photocopy license by CCC, a separate system of payment has been arranged. The fee code for users of the Transactional Reporting Service is 0250-7005/2010 \$2.00 +0.40.

The Editors and Publishers of ANTICANCER RESEARCH accept no responsibility for the opinions expressed by the contributors or for the content of advertisements appearing therein.

Copyright© 2010, International Institute of Anticancer Research (Dr. John G. Delinassios), All rights reserved.
PHOTOCOMPOSITION BY IAR
PRINTED BY ENTYPPO, ATHENS, GREECE
PRINTED ON ACID-FREE PAPER

PROCEEDINGS OF THE 13TH ANNUAL
MEETING OF THE SOCIETY OF
BIOTHERAPEUTIC APPROACHES

*5 December 2009
Takamatsu, Japan*

Edited by G-I. Soma, M. Kuroki and S. Miyake

President of the Society

Masamichi Tomonaga (Fukuoka University)

Chairpersons

Gen-Ichiro Soma (Tokushima Bunri University, Kagawa University)

Shinichiro Miyake (Miyake Medical Institute)

Preface

This special issue of ANTICANCER RESEARCH presents the Proceedings of the 13th Meeting of the Society of Biotherapeutic Approaches. It is my great pleasure to introduce this issue as a follow-up to the previous twelve meetings and I would like to express my sincere gratitude to the Editors of Anticancer Research for kindly accepting the proceedings of our regional meeting in Japan for publication.

The 13th meeting was held in Takamatsu on December 5, 2009, chaired by Prof. G-I. Soma, Institute for Health Sciences, Tokushima Bunri University and Kagawa University School of Medicine, and Prof. S Miyake, Miyake Medical Institute. At this conference, the special lecture of Prof. T. Ayabe, Dept. of Cellular Life Science, Faculty of Advanced Life Science, Hokkaido University was one of the highlights. In addition, there were three workshops focusing on innate and/or adaptive immunity and many oral presentations on a wide range of basic and clinical topics offering impressive advances in the field.

The main aims of our society are to facilitate good communication among basic researchers and clinicians, and to perform clinical trials with adequate informed consent in an appropriate and professional manner. These aspects remain important issues for the progress of biotherapy as well as for medicine in general.

These days the world is in a chaotic state due to clashes of civilizations and religions. Perhaps the most basic idea within the frame of the philosophy of medicine, for remolding the world is, I believe, the nurturing of a deep reverence for individual life and the establishment of modern bioethics.

It is my sincere hope that these proceedings will contribute to further progress in the field of biotherapy and that our members will continue to foster the aims of our Society.

Masamichi Tomonaga, MD.
President of the Society of Biotherapeutic Approaches