Some format issues inherent in the e-media version may also appear in this print version.

Copyright© by Elsevier B.V.
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact Elsevier B.V.
at the address below.

Elsevier B.V.
Radarweg 29
Amsterdam 1043 NX
The Netherlands

Phone:  +31 20 485 3911
Fax:      +31 20 485 2457

http://www.elsevierpublishingsolutions.com/contact.asp

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone:  845-758-0400
Fax:      845-758-2634
Email:  curran@proceedings.com
Web:     www.proceedings.com
# TABLE OF CONTENTS

## EDITORIAL
Raymond E. Spier

## VALIDATION OF INDIRECT ELISA FOR QUANTITATIVE TESTING OF RABIES ANTIBODIES DURING PRODUCTION OF ANTIRABIES SERUM USING EQUINES

## MICROGEL PARTICULATE ADJUVANT: CHARACTERISATION AND MECHANISMS OF ACTION
R. Vialle, L. Dupuis, S. Deville, F. Bertrand, J. Gaucheron, J. Aucouturier

## INFLUENZA IMMUNIZATION WITH TREHALOSE-STABILIZED VIRUS-LIKE PARTICLE VACCINE USING MICRONEEDLES
Yeu-Chun Kim, Fu-Shi Quan, Jae-Min Song, Aswani Yunnava, Dae-Goony Yoo, Kyoung-Mi Park, Richard W. Compano, Sang-Moo Kang, Mark R Prausnitz

## EVALUATION THE QUALITY OF OIL-EMULSION AVIAN INFLUENZA SUBGROUP H9N2 VACCINES IN IN-VITRO
Z. Rajabi, H. Tayefi-Nasrabadi, A. B. Syofi-Khojin

## EFFECTS OF ASTRAGALUS POLYSACCHARIDES ON ASSOCIATED IMMUNE CELLS AND CYTOKINES IN IMMUNOSUPPRESSIVE DOGS
Hehui Qiu, Guolin Cheng, Jianqin Xu, Nuowei Zhang, Fenghua Liu, Xiaoyu Zhu, Juan Zhao, Yujie Zhang

## A NOVEL THERAPEUTIC AND PROPHYLACTIC VACCINE (HVJ-ENVELOPE / HSP65 DNA + IL-12 DNA) AGAINST TUBERCULOSIS USING THE CYNOMOLGUS MONKEY MODEL
M Okada, Y Kita, T Nakajima, N Kanamara, S Hashimoto, Y Nishida, H Nakatani, K Takao, C Kishigami, S Nishimatsu, Y Sekine, Y Inoue, T Nagada, S Yoshida, M Matsumoto, Saudemond Paul, E. V. Tan, E. C. Dela Cruz, D. N. McMurry

## DEVELOPMENT OF A NANO-VACCINE AGAINST A WILD BIRD H6N2 AVIAN INFLUENZA VIRUS
Songhua Shan, Eddy Poinern, Trevor Ellis, Stan Fenwick, Xuan Le, John Edwards, Zhong-Tao Jiang

## ANALYSIS OF THE MECHANISM BY WHICH BALB/C MICE HAVING PRIOR IMMUNIZATION WITH NUCLEOCAPSID PROTEIN OF SARS-COV DEVELOP SEVERE PNEUMONIA AFTER SARS-COV INFECTION
Fumihiko Yasui, Chieko Kai, Kousuke Saito, Shingo Inoue, Misako Yoneda, Kousuke Mizuno, Michinori Kohara

## PROMOTION OF THE IMMUNITY OF PIGLETS TO HOG CHOLERA VACCINE INDUCED BY SHUFFLED PIG INTERLEUKIN-2 GENE AND CPG IMMUNOSTIMULATORY SEQUENCES ENCAPSULATED IN CHITOSAN NANOPARTICLES
Xiao Yang, Wen-Kai Sun, Wen-Long Chen, Jin-Liu Chen, Xiao-Ping Wan, Huan Zhang, Xiao Yang, Lin Cai, Zhe Zhou Wang, Xue-Bin Li, Hong-Ning Wang, Jiang-Ling Li, Rong Gao

## PRELIMINARY EVIDENCE OF SAFETY AND EFFICACY OF AN ORALLY ADMINISTERED, HEAT-INACTIVATED H5N1 INFLUENZA VACCINE
Vichai Jirathitikal, Aldar S. Bourinbaiar

## EXPLORING THE VERSATILITY OF THE AUTOTRANSPORTER BRKA FOR THE PRESENTATION OF ENTEROVIRUS 71 VACCINE CANDIDATES AT THE SURFACE OF ATTENUATED BORDETELLA PERTUSSIS
Khong Wei Xin, Vincent T. K. Chow, Sylvie Alonso

## PROTECTIVE RESPONSE TO SUBUNIT VACCINATION AGAINST INTRANASAL BURKHOLDERIA MALLEI AND B. PSEUDOMALLEI CHALLENGE
Gregory C. Whitlock, Arpaporn Deeraksa, Ahmad Qazi, Barbara M. Judy, Katherine Taylor, Katie L. Propst, Angie J. Duffy, Kate Johnson, G. Barrie Kitto, Katherine A. Brown, Steven W. Dow, Alfredo G. Torres, D. Mark Estes

## DEVELOPMENT OF AN EFFICIENT AND SCALABLE METHOD FOR PROCESSING AND PURIFICATION OF VI CAPSULAR POLYSACCHARIDE
Sudeep Kothari, Neha Kothari, Eugene Le, Jeong Ah Kim, So Jung An, Yeon Kyung Yoon, Greg W. Smith, Rodney Carbis

## LIVER FLUKE VACCINES: VACCINATION AGAINST FASCIOLIOSIS BY A MULTIVALENT VACCINE OF RECOMBINANT STAGE-SPECIFIC ANTIGENS
R. Jayaraj, D. Piedrafita, K. Dyon, R. Grams, T. W. Spithill, P. M. Smooker

## PREDICTORS OF CHILDHOOD VACCINATION UPTAKE: A CROSS-SECTIONAL STUDY IN GREECE
K. Danis, T. Georgakopoulou, T. Stavrour, D. Laggas, T. Panagiotopoulos
ASSESSING HERD IMMUNITY IN THE ELDERLY FOLLOWING THE VACCINATION OF SCHOOL CHILDREN WITH LIVE ATTENUATED TRIVALENT INFLUENZA VACCINE (LAIV): A COUNTY-LEVEL ANALYSIS ................................................................. 92
Harry F. Hull, A. Marshall McBean, Debra Caldwell, Heidi O'Connor

A PATIENT SAFETY ISSUE: MANDATORY INFLUENZA VACCINATION FOR HEALTH CARE WORKERS ................................................................. 101
Sabine Wicker, Holger F. Rabenau

OBSTACLES IN THE MOTIVATION OF HEALTH CARE WORKERS FOR PERTUSSIS VACCINATION ................................................................. 106
Sabine Wicker, Stefan Zielen, Markus A. Rose

DENGUE SURVEILLANCE IN COLOMBO, SRI LANKA: BASELINE SEROPREVALENCE AMONG CHILDREN ................................................................. 109

POTENTIAL DENGUE VACCINE DEMAND IN DISEASE ENDEMIC AND NON-ENDEMIC COUNTRIES .............................................................................. 113
Ananda Amarasinghe, Ole Wichmann, Harold S. Margolis, Richard T. Mahoney

Author Index