

# **5th Vaccine and ISV Annual Global Congress 2011**

**Procedia in Vaccinology Volume 6**

**Seattle, Washington, USA  
2-4 October 2011**

**Editors:**

**Ray Spier**

**ISBN: 978-1-62748-773-3**

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

<b>Preface to Volume 00 of the Procedia in Vaccinology .....</b>	<b>1</b>
<b>Bioinformatics Analysis of Bacterial Protective Antigens in Manually Curated Protegen Database .....</b>	<b>3</b>
<i>Yongqun He, Zuoshuang Xiang</i>	
<b>Serologic Markers for Long-Term Immunity in Humans Vaccinated with Live Yersinia pestis EV NIEG .....</b>	<b>10</b>
<i>V. A. Feodorov, A. M. Lyapina, O. V. Ulianova, E. P. Lyapina, L. V. Sayapina, M. N. Lyapin, A. A. Shcherbakov, M. V. Telepnev, V. L. Motin</i>	
<b>Novel T Cell Driven Approach Leads to the Identification of Immunoprevalent Antigens .....</b>	<b>14</b>
<i>Valeria A. Judkowski, Radleigh G. Santos, Alcinette Bunying, Marc A. Giulianotti, Jon R. Appel, Clemencia Pinilla</i>	
<b>Milk-Derived Antimicrobial Peptides to Protect Against Neonatal Diarrheal Disease: An Alternative to Antibiotics .....</b>	<b>21</b>
<i>Heather L. Wilson, Rachele M. Buchanan, Brenda Allan, Suresh K. Tikoo</i>	
<b>Chicken Egg Yolk Antibodies Against Bovine Respiratory Syncytial Virus Neutralize the Virus in Vitro .....</b>	<b>33</b>
<i>A. Ferella, D. Bellido, P. Chacana, A. Wigdorovitz, M. J. Dus Santos, M. V. Mozgovej</i>	
<b>Sperm Protein 17: Is It a Useful Target Antigen in Human Pituitary Adenomas? .....</b>	<b>39</b>
<i>Fabio Grizzi, Antonio Di Ieva, Sonia Di Biccari, Giorgia Ceva-Grimaldi, Piergiuseppe Colombo, Manfred Tschabitscher</i>	
<b>Electron-beam Irradiation Inactivation of Salmonella: Effects on Innate Immunity and Induction of Protection Against Salmonella enterica serovar Typhimurium Challenge of Chickens .....</b>	<b>47</b>
<i>M. H. Kogut, J. L. McReynolds, H. He, K. J. Genovese, P. R. Jesudhasan, M. A. Davidson, M. A. Cepeda, S. D. Pillai</i>	
<b>The Leishmune®'s Nucleoside Hydrolase DNA Vaccine As an Aid in Immunotherapy of Canine Visceral Leishmaniasis .....</b>	<b>64</b>
<i>Gulnara P. Borja-Cabrera, Flavia B. Santos, Dirlei Nico, A. E. Gravino, Laura Manna, Marcos Palatnik, Clarisa B. Palatnik-De-Sousa</i>	
<b>Chitosan-based Particles As Biocompatible Delivery Vehicles for Peptide and Protein-based Vaccines .....</b>	<b>74</b>
<i>Brendon Y. Chua, Mohammad Al Kobiasi, Weiguang Zeng, David Mainwaring, David C. Jackson</i>	
<b>Electrostatic-mediated Enhancement of Protein Antigen Immunogenicity Using Charged TLR2-Targeting Lipopeptides .....</b>	<b>80</b>
<i>Brendon Y. Chua, David Pejowski, Stephen J. Turner, Weiguang Zeng, David C. Jackson</i>	
<b>Efficacy of Intranasal and Spray Delivery of Adjuvanted Live Vaccine Against Infectious Bronchitis Virus in Experimentally Infected Poultry .....</b>	<b>85</b>
<i>Sebastien Deville, Juliette Ben Arous, François Bertrand, Vladimir Borisov, Laurent Dupuis</i>	
<b>High Potency of Novel Polymeric Adjuvant in Eliciting of the Immune Response in Mice to Major Antigens of Chlamydia and Yersinia .....</b>	<b>93</b>
<i>V. A. Feodorov, A. M. Lyapina, O. V. Ulianova, T. I. Polyanina, Yu. Yu. Eliseev, V. L. Motin</i>	
<b>Mice Vaccination with High Hydrostatic Pressure-Inactivated H3N8 Virus Protects Against Experimental Avian Flu .....</b>	<b>98</b>
<i>Shana P. C. Barroso, Dirlei Nico, Daniele C. Gomes, Ana Clara V. Dos Santos, José Nelson S. S. Couceiro, Clarisa B. P. De Sousa, Jerson L. Da Silva, Andrea C. De Oliveira</i>	
<b>Flow-Through Purification of Viruses- A Novel Approach to Vaccine Purification .....</b>	<b>106</b>
<i>Ganesh Iyer, Senthilkumar Ramaswamy, Kwok-Shun Cheng, Nakry Sisowath, Ushma Mehta, Anne Leahy, Franklin Chung, Damon Asher</i>	
<b>Improvement Of The Immunity Of Piglets To PRRS Vaccine By A Porcine IL-4 And IL-6 Fusion Gene Encapsulated In Chitosan Nanoparticles .....</b>	<b>113</b>
<i>Hua-Bing Zhang, Xiao-Ping Wan, Guang-Ming Bai, Lin-Feng Gao, Chi Chen, Huang Zhang, Xue-Bing Lv, Ze-Zhou Wang, Jiang-Ling Li, Rong Gao</i>	
<b>Clinical Performance and Safety of the ID Adapter, a Prototype Intradermal Delivery Technology for Vaccines, Drugs, and Diagnostic Tests .....</b>	<b>125</b>
<i>Courtney Jarrhian, Darin Zehrung, Eugene Saxon, Emily Griswold, Leslie Klaff</i>	
<b>Load Reduction in Live PRRS Vaccines Using Oil and Polymer Adjuvants .....</b>	<b>134</b>
<i>Sebastien Deville, Juliette Ben Arous, Ghislaine Ionkoff, François Bertrand, Sergey Kukushkin, Taufik Baybikov, Vladimir Borisov, Laurent Dupuis</i>	
<b>Preclinical Evaluation of a Live Attenuated Chikungunya Vaccine .....</b>	<b>141</b>
<i>Jill A. Livengood, Charalambos D. Partidos, Kenneth Plante, Rob Seymour, Rodion Gorchakov, Laszlo Varga, Joanna Paykel, James Weger, Aurelia Haller, Dan T. Stinchcomb, Jorge Osorio, Scott Weaver</i>	

<b>Evaluating the Effectiveness of Conjugated Pneumococcal Vaccines in Colombia</b> .....	150
<i>N. I. Manjarres-Posada, L. A. Choconta-Piraquive, F. De La Hoz-Restrepo</i>	
<b>Viral Infections: Occupational Risk for Pregnant Health-Care Personnel?</b> .....	156
<i>Sabine Wicker</i>	
<b>Author Index</b>	