

Contents

Vol. 81, No. 11, 2016

Simultaneous English language translation of the journal is available from Pleiades Publishing, Ltd.
Distributed worldwide by Springer. *Biochemistry* (Moscow) ISSN 0006-2979.

Engl./Russ.

MOLECULAR AND CELLULAR MECHANISMS OF INFLAMMATION (Special Issue)

Guest Editors **S. A. Nedospasov** and **D. V. Kuprash**

Molecular and Cellular Mechanisms of Inflammation

D. V. Kuprash and S. A. Nedospasov 1237 1477

Mechanisms of Inflammatory Injury of Renal Tubular Cells in a Cellular Model of Pyelonephritis

*M. A. Morosanova, E. Y. Plotnikov, L. D. Zorova, I. B. Pevzner, V. A. Popkov,
D. N. Silachev, S. S. Jankauskas, V. A. Babenko, and D. B. Zorov* 1240 1481

Effects of Fibroin Microcarriers on Inflammation and Regeneration of Deep Skin Wounds in Mice

*A. Y. Arkhipova, M. A. Nosenko, N. V. Malyuchenko, R. V. Zvartsev,
A. M. Moisenovich, A. S. Zhdanova, T. V. Vasil'eva, E. A. Gorshkova,
I. I. Agapov, M. S. Drutskaya, S. A. Nedospasov, and M. M. Moisenovich* 1251 1494

Reviews

Inflammatory Immune Infiltration in Human Tumors: Role in Pathogenesis and Prognostic and Diagnostic Value

A. V. Bogolyubova and P. V. Belousov 1261 1505

Myeloid-Derived Suppressor Cells and Proinflammatory Cytokines as Targets for Cancer Therapy

K.-S. N. Atretkhany and M. S. Drutskaya 1274 1520

“Suppressor Factor” of Neutrophils: A Short Story of a Long-Term Misconception

*I. A. Linge, E. V. Kondratieva, T. K. Kondratieva, V. A. Makarov,
V. I. Polshakov, O. Yu. Savelyev, and A. S. Apt* 1284 1530

Mediators and Biomarkers of Inflammation in Meningitis: Cytokine and Peptidome Profiling of Cerebrospinal Fluid

*A. A. Belogurov, Jr., O. M. Ivanova, Y. A. Lomakin, R. H. Ziganshin, M. I. Vaskina,
V. D. Knorre, E. A. Klimova, A. G. Gabibov, V. T. Ivanov, and V. M. Govorun* 1293 1540

Microbiota Induces Expression of Tumor Necrosis Factor in Postnatal Mouse Skin

*D. V. Yuzhakova, M. V. Shirmanova, A. A. Bocharov, I. V. Astrakhantseva, E. A. Vasilenko,
E. N. Gorshkova, M. S. Drutskaya, E. V. Zagaynova, S. A. Nedospasov, and A. A. Kruglov*

1303 1553

Reviews

Tumor Necrosis Factor and Lymphotoxin in Regulation of Intestinal Inflammation

E. O. Gubernatorova and A. V. Tumanov

1309 1559

Inactivation of Inflammasomes by Pathogens Regulates Inflammation

F. Yu. Garib, A. P. Rizopulu, A. A. Kuchmiy, and V. F. Garib

1326 1578

Mechanisms of Changes in Immune Response during Bacterial Coinfections of the Respiratory Tract

E. N. Sviriaeva, K. V. Korneev, M. S. Drutskaya, and D. V. Kuprash

1340 1593

Possible Mechanisms of Acquisition of Herpesvirus Virokines

E. A. Gorshkova and E. S. Shilov

1350 1604

Review

The Role of Cytokines in the Development of Atherosclerosis

A. R. Fatkhullina, I. O. Peshkova, and E. K. Koltsova

1358 1614

Recombinant MHC Tetramers for Isolation of Virus-Specific CD8⁺ Cells from Healthy Donors: Potential Approach for Cell Therapy of Posttransplant Cytomegalovirus Infection

*A. S. Vdovin, S. Y. Filkin, P. R. Yefimova, S. A. Sheetikov, N. M. Kapranov,
Y. O. Davydova, E. S. Egorov, E. G. Khamaganova, M. Y. Drovkov, L. A. Kuzmina,
E. N. Parovichnikova, G. A. Efimov, and V. G. Savchenko*

1371 1628

Study of Immunomodulatory Effects of Extracellular HSP70 in a Mouse Model of Allergic Airway Inflammation

*M. A. Shevchenko, N. I. Troyanova, E. A. Servuli, E. L. Bolkhovitina,
A. S. Fedorina, and A. M. Sapozhnikov*

1384 1643

Immunogenicity of Human Interferon-Beta-Containing Pharmaceuticals

V. D. Nazarov, S. V. Lapin, A. V. Mazing, E. P. Evdoshenko, and A. A. Totolian

1396 1658