

**The**  
***Russian Clinical Laboratory Diagnostics***  
**journal**  
**(Klinicheskaya Laboratornaya Diagnostika)**

**EDITORIAL BOARD**

***Editor-in-Chief***

Vladimir N. Titov, MD, PhD, Prof., Head of the Laboratory of Clinical Biochemistry of Lipid Metabolism, Russian Cardiology Research and Production Complex of the Russian Ministry of Health

***Assistant Editor-in-Chief***

Andrey Yu. Mironov, MD, PhD, Prof., Head of the Department of Microbiology, G. N. Gabrichevsky Research Institute for Epidemiology and Microbiology of Rospotrebnadzor

***Executive Secretary***

Ludmila M. Pimenova, MD, PhD, Leading Researcher, Laboratory of Clinical and Laboratory Diagnostics, Research Institute of Public Health and Health Management, I. M. Sechenov First Moscow State Medical University

Anatoly B. Dobrovolsky, PhD, Prof., Leading Researcher, Laboratory of Clinical Problems of Atherothrombosis, Russian Cardiology Research and Production Complex of the Russian Ministry of Health

Vladimir V. Dolgov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Russian Medical Academy of Postgraduate Education

Galina N. Zubrikhina, MD, PhD, Leading Researcher, Clinical Diagnostic Laboratory, Centralized Clinical Laboratory Department, N. N. Blokhin Russian Cancer Research Center

Alexey A. Ivanov, MD, PhD, Prof., Deputy Director, Institute of Molecular Medicine, I. M. Sechenov First Moscow State Medical University

Svetlana A. Lugovskaya, MD, PhD, Prof., Department of Clinical Laboratory Diagnostics, Russian Medical Academy of Postgraduate Education

Victoria T. Morozova, MD, PhD, Prof., Department of Clinical Laboratory Diagnostics, Russian Medical Academy of Postgraduate Education, Honored Worker of Science of Russia

Lyudmila M. Skuin, MD, PhD, Associate Prof., Department of Immunology, Russian Medical Academy of Postgraduate Education

Areg A. Totolyan, MD, PhD, Prof., Corresponding Member of the Russian Academy of Sciences, Deputy Director, Pasteur St. Petersburg Scientific Research Institute of Epidemiology and Microbiology of Rospotrebnadzor

Irina P. Shabalova, MD, PhD, Prof., Department of Clinical Laboratory Diagnostics, Russian Medical Academy of Postgraduate Education

### **EDITORIAL COUNCIL**

Vladimir V. Alabovsky, MD, PhD, Prof., Head of the Department of Biochemistry, Voronezh State Medical University named after N. N. Burdenko (Voronezh)

Tatyana V. Vavilova, MD, PhD, Associate Prof., Head of the Department of Clinical Laboratory Diagnostics, V. A. Almazov Federal Medical Research Center of the Ministry of Health of the Russian Federation (Saint Petersburg)

Alexander Z. Gilmanov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Institute of Postgraduate Education, Bashkir State Medical University of the Ministry of Health of the Russian Federation (Ufa)

John A. Grishchenko, Head of the Clinical Diagnostic Laboratory, Federal Center of Cardiovascular Surgery of the Ministry of Health of the Russian Federation (Krasnoyarsk)

Natalia G. Dashkova, MD, PhD, Senior Researcher, Head of the Clinical Diagnostic Laboratory of Blood Center, I. M. Sechenov First Moscow State Medical University (Moscow)

Tatiana I. Dolgih, MD, PhD, Prof., Head of the Clinical Diagnostic Laboratory, Omsk Region Clinical Diagnostic Center (Omsk)

Svetlana A. Elchaninova, MD, PhD, Prof., Head of the Department of Biochemistry and Clinical Laboratory Diagnostics, Altai State Medical University (Barnaul)

Anton V. Indutny, MD, PhD, Associate Prof., Head of the Department of Clinical Laboratory Diagnostics, Head of the Scientific and Educational Center of Laboratory Medicine, Omsk State Medical University (Omsk)

Anatoly I. Karpishchenko, MD, PhD, Prof., Head of the Section of Clinical Laboratory Diagnostics, Medical Information and Analytical Center (Saint Petersburg)

Kirill P. Kashkin, MD, PhD, Prof., Academician of the Russian Academy of Sciences, Head of the Department of Immunology, Russian Medical Academy of Postgraduate Education (Moscow)

Gennady I. Koziniec, MD, PhD, Prof., Honored Worker of Science (Moscow)

Anton V. Kozlov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, North-Western State Medical University named after I. I. Mechnikov (Saint Petersburg)

Anatoliy G. Kochetov, MD, PhD, Prof., Department of Higher Level General Medicine with the Course on Clinical Laboratory Diagnostics, Peoples' Friendship University of Russia, Head of the Department of Experimental and Theoretical Investigations of the Mechanisms of Behavior and Brain Protection, Research Institute of Cerebrovascular Disease and Stroke, Pirogov Russian National Research Medical University; Chief (Visiting) Specialist on Clinical Laboratory Diagnostics of the Russian Ministry of Health (Moscow)

Nikolai E. Kushlinsky, MD, PhD, Prof., Corresponding Member of the Russian Academy of Sciences, Head of the Laboratory of Clinical Biochemistry, N. N. Blokhin Russian Cancer Research Center; Head of the Department of Clinical Biochemistry and Laboratory Diagnostics, Moscow State University of Medicine and Dentistry named after A. I. Evdokimov (Moscow)

Ayrat R. Mavzyutov, MD, PhD, Prof., Head of the Department of Fundamental and Applied Microbiology, Prof., Department of Clinical Laboratory Diagnostics, Institute of Postgraduate Education, Bashkir State Medical University (Ufa)

Vladimir N. Malakhov, MD, PhD, Prof., Head of the Non-Commercial Partnership «Center for External Control Assessment of the Quality of Clinical Laboratory Studies» (Moscow)

Dmitry D. Menshikov, MD, PhD, Prof., Chief Researcher, Clinical Microbiology Laboratory, N. V. Sklifosovsky Research Institute of Emergency Medicine of the Department of Health of Moscow

Evgeniy N. Ovanesov, Head of TECHNOMEDICA Research and Production Enterprise (Moscow)

Yuri V. Pervuschin, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Head of the Course on Bacteriology, Institute of Postgraduate and Additional Education, Stavropol State Medical University (Stavropol)

Ilya V. Pikalov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Novosibirsk State Medical University (Novosibirsk)

Yuri P. Reznikov, MD, PhD, Prof., Scientific Director of the Polyclinic № 1 of the Presidential Administration of the Russian Federation (Moscow)

Dmitry B. Saprygin, MD, PhD, Prof., Department of Biochemistry, Russian Medical Academy of Postgraduate Education of the Ministry of Health of the Russian Federation, Consultant of the Medical Center of Administration for Service to the Diplomatic Corps (Moscow)

Sergei N. Suplotov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Tyumen State Medical Academy (Tyumen)

Olga A. Tarasenko, MD, PhD, Prof., Deputy Chief Physician, Head Center for Hygiene and Epidemiology of the Federal Medical and Biological Agency (Moscow)

Igor S. Tartakovsky, PhD, Prof., Head of the Laboratory of Legionellosis, N. F. Gamaleya Scientific Research Institute of Epidemiology and Microbiology (Moscow)

Lina A. Khorovskaya – MD, PhD, Prof., Department of Clinical Laboratory Diagnostics, Pavlov First St. Petersburg State Medical University (Saint Petersburg)

Sergei V. Tsvirenko, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics and Bacteriology, Ural State Medical University (Yekaterinburg)

Alexander N. Shibanov, PhD, CEO of OOO «Unimed Management» (Moscow)

Vladimir L. Emanuel, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Head of the Course on Molecular Medicine, Head of the Scientific and Educational Complex «Institute of Laboratory Medicine», Pavlov First St. Petersburg State Medical University (Saint Petersburg)

Galina A. Yarovaya, PhD, Prof., Head of the Department of Biochemistry, Russian Medical Academy of Postgraduate Education of the Ministry of Health of the Russian Federation (Moscow)

## **INTERNATIONAL EDITORIAL COUNCIL**

Kallner Anders, MD, PhD, Department of Laboratory Diagnostics of Karolinska Hospital (Stockholm, Sweden)

Syrjanen Kari, MD, PhD, FIAG, Medical Director of the Department of Clinical Research Biohit Oyj; Editor-in-Chief of «Acta Cytologica» (Helsinki, Finland)

Ian D. Watson, MD, PhD, Clinical Director of Clinical Laboratories at Liverpool Aintree University Hospital (Liverpool, UK)

Abdumalik N. Aripov, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Tashkent Institute of Postgraduate Medical Education, Head of the Biochemical Laboratory, Republican Specialized Scientific and Practical Medical Center (Tashkent, Uzbekistan)

Valentin S. Gudumak, MD, PhD, Prof., Department of Clinical Laboratory Diagnostics, Faculty of Postgraduate Professional Training of Physicians, Head of the Biochemical Laboratory, Nicolae Testemițanu State University of Medicine and Pharmacy; Chairman of the Committee on Laboratory Medicine of the Ministry of Health of Moldova (Chisinau, Moldova)

Valery A. Deev, MD, PhD, Prof., A. A. Shalimov National Institute of Surgery and Transplantology of the National Academy of Medical Sciences of Ukraine (Kiev, Ukraine)

Vladimir G. Kolb, MD, PhD, Prof. (Minsk, Belarus)

Georgiy M. Kostin, MD, PhD, Associate Prof., Head of the Clinical Diagnostic Laboratory, Minsk Consulting and Diagnostic Center (Minsk, Belarus)

Ganna G. Luneva, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, National Medical Academy for Postgraduate Education named after P. L. Shupyk, Chairman of the Ukrainian Association of Clinical Laboratory Diagnostics (Kiev, Ukraine)

Vasiliy I. Nigulyanu, MD, PhD, Prof., Head of the Department of Clinical Laboratory Diagnostics, Faculty of Postgraduate Professional Training of Physicians, of the Chisinau Medical Institute (Chisinau, Moldova)