

## **Prof. Dr. vet. sc. Mikhail Petrovich Neustroev**

Yakut Scientific Research Institute of Agriculture named after M.G. Safronov  
Head of the Laboratory of Veterinary Biotechnology  
Bestuzhev-Marlinskiy Str. 23/1, 677001 Yakutsk, Russian Federation  
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### **Short biography**

Born	07.10.1950 in Kobayay, Yakutia, Russian Federation
Since 2017	Professor of the Department of Physiology and Ecology, Yakut State Agricultural Academy (YSAA)
Since 2014	Head of the Laboratory of veterinary biotechnology, Chief Researcher, Yakut Scientific Research Institute of Agriculture, Yakutsk
Since 2013	Director of the Open Company "Hotu-Bact" Ltd
2012-2013	Deputy Director, Yakut Scientific Research Institute of Agriculture, Yakutsk
2007-2012	Director, Yakut Scientific Research Institute of Agriculture, Yakutsk
1997	Doctoral thesis on "Measures for fighting and preventing the horse strangles in Yakutia" in Novosibirsk
1995-2007	Deputy Director for research and chief researcher, laboratory for the development of microbial preparations, first deputy director and head of the Center of veterinary medicine
1984	Head of the Department of veterinary medicine, Yakut Scientific Research Institute of Agriculture
1980-1984	Senior Researcher, Yakut Scientific Research Institute of Agriculture
1980	Doctorate (Cand. vet. sci.), on cellular immunology (postgraduate study at Siberian Scientific Institute of Veterinary, Omsk)
1976	Senior Researcher, Yakut Scientific Research Institute of Agriculture, Veterinary Department
1976	Graduation (with honors) Yakut State University, Veterinary Department of the Agricultural Faculty

### **Research areas**

- Bacillus spp.
- Study of immunobiological reactivity of agricultural animals under the conditions of the Far North
- The use of probiotics in animal husbandry (cattle, reindeer, horse breeding) and plant growing (plant protection, vegetable growing, potato growing)

### **Track record**

- 435 scientific papers, including 10 monographs.
- 38 patents for invention of the Russian Federation
- edited 123 collections of scientific works, monographs, brochures, recommendations

### **Memberships**

- Expert of the Russian Academy of Sciences, the Skolkovo Foundation, and the Academy of Sciences of the Republic of Sakha (Yakutia)
- Member of the editorial board and co-author of the "Agricultural Management System of the Republic of Sakha (Yakutia) (1983,1987, 1992, 2000, 2009)
- Member of the editorial board of the journals "Herald of Veterinary Medicine", "Bulletin of the Far Eastern Agricultural University", "Science and Technology in Yakutia"

## Select publications

1. Neustroev, M.P. Epizootology of viral abortion of horses in Yakutia. *Vestnik DVO RAN* **2018**, 3. (In Russian).
2. Neustroev, M.P. The role of bacteria of the genus *Bacillus* in preserving the remains of Mammuth fauna in permafrost. VII international conference of Mammoths and Their Relatives, 17-23 September **2017**. National Museum of Natural science, Taichung, Taiwan.
3. Neustroev, M.P.; Murashev, A.N.; Bondarenko, D.A.; Stepanova, A.M.; Tarabukina, N.P. Study of the toxicity of the preparate "Sahabaktisubtil" in rats. *Journal of Microbiology, Epidemiology and Embriology* **2017**, 5, pp. 59-64. (In Russian).
4. Neustroev, M.P. Ecological assessment and bioremediation of oil-contaminated permafrost soils of Yakutia. Monograph. Novosibirsk **2017**. (In Russian).
5. Neustroev, M.P.; Yurov, K.P.; Alexeenkova, S.V.; Tarabukina, N.P.; Petrova, S.G.; Baishev, A.A. Laboratory control results of inactivated vaccine immunogenicity against rhinopneumonia and salmonella equine abortion. *Russian Agricultural Sciences* **2016**, 42, 378–380. (In Russian).
6. Neustroev, M.P. Probiotic "Sakhabaktisubtil" against dysbacteriosis of horses. *Russian Agricultural Sciences* **2015**, 41(6), pp. 490-493. (In Russian).
7. Neustroev, M.P. Bactericidal Action of the *Bacillus subtilis* Bacterial Strains on the Agents of Leptospirosis, *Russian Agricultural Sciences* **2015**. 41(5), pp. 403-405. (In Russian).
8. Neustroev, M.P.; Tarabukina, N.P.; Fedorova, M.P.; Parnikova, S.I. Broad spectrum probiotic (Sakhabaktisubtil) recovered from Yakutia permafrost soil. *Veterinary World* **2011** 4(5), pp. 222-224.
9. To the history of anthrax in Yakutia in the 19th century. *Current Issues in Veterinary Biology* **2011**, 4(8), pp. 3-7. (In Russian).
10. Neustroev, M.P. Research of bacteria of sort *Bacillus* allocated the Yukagir Mammoth (electronical-microscopic research). Recent Advances in Yukagir Mammoth Researches. International Symposium on Yukagir Mammoth (June 2005, Japan), p. 19.

## **Prof. Dr. vet. sc. Nadezhda Petrovna Tarabukina**

Yakut Scientific Research Institute of Agriculture named after M.G. Safronov  
Head of the Microbial Development Laboratory  
Bestuzhev-Marlinskiy Str. 23/1, 677001 Yakutsk, Russian Federation  
Email: [hotubact@mail.ru](mailto:hotubact@mail.ru)

Born in 03.07.1952

### **Research areas**

- veterinary sanitation
- ecology
- microbiology

### **Innovative products**

- Bacillus subtilis TNP-3 and TNP-5

**Track record:** ca. 290 publications, including 4 monographs, 38 patents of innovation (RF)

### **Select publications**

1. Neustroev, A.N. Murashev, D.A. Bondarenko, A.M. Stepanova, N.P. Tarabukina. THE RESEARCHES OF PREPARATION'S TOXICITY "SAKHABAKTISUBTIL" ON RATS / M.P. // The journal of microbiology, epidemiology and immunobiology. - 2017.- №5.- P. 59-64.
2. Neustroev, N.P. Tarabukina, M.P. Fedorova, A.M. Stepanova, S.I. Parnikova, A.A. Baishev. MICROFLORA OF FOSSIL ANIMALS PRESERVER IN YAKUT PERMAFROST / M.P. // The science of the Earth and engineering (USA) / – 2014. – P.484-489.
3. Slinina K.N., Prokopieva N.I., Tarabukina N.P. THE RESEARCH OF ANTAGONISTIC ACTIVITY OF CRYPTOGAMIC PROBIOTIC AGAINST POULTRY MICROBACTERIA // Reports of Russian academy of agricultural sciences. -2014.- № 6.- P. 53-55.
4. M.P.Neustroev, N.P. Tarabukina, A.M.Stepanova, S.I .Parnikova, S.G. Petrova, A.D. Zhirkov, U.N. Romanova. L.I. Ivanova // BACTERICIDAL ACTION OF THE BACILLUS SUBTILIS BACTERIAL STRAINS ON THE AGENTS OF LEPTOSPIROSIS /. Russian Agricultural sciences - 2015, vol. 41, No.5, pp.403-405.
5. M.P. Neustroev, N.P. Tarabukina, A.M. Stepanova, S.I. Parnikova, S.G. Petrov. BACTERICIDAL ACTIONS OF STRAINS BAC. SUBTILIS.K TO THE AGENTS OF LEPTOSPIROSIS. Russian agricultural science - 2015. – №4. P. 63-65.
6. Neustroev M.P., Tarabukina N.P., Zhirkov A.D., Tataeinova S.S., Pavlova A.I. PREVENTIVE ACTIONS AGAINST MITOTOXIN OF HORSES BY THE PREPARATION "SAKHABAKTISUBTIL" // Veterinary. 2015. № 10. P. 8-10.
7. N.A. Oboeva, N.P. Tarabukina, G.P. Protodiakonova, M.P. Neustroev. THE INFLUENCE OF THE PROBIOTICS "SAKHABAKTISUBTIL" ON THE SURVIVABILITY OF TUBERCULOSIS MICROBACTERIA IN THE SOIL // Issues of veterinary sanitary, hygiene and ecology.- 2015.- №4(16).- P. 55-59.
8. Bylgaeva A.A., Tarabukina N.P., Neustroev M.P., Parnikova S.I. THE USE OF PROBIOTICS AS A PRESERVATIVE IN THE HARVESTING OF VEGETABLE FEED // International scientific and research journal – № 11 (53) – Part 2 – 2016. - P. 151-153.
9. Neustroev M.P., Yurov K.P., Alexeenkova S.V., Tarabukina N.P., Petrova S.G., A.A. Baishev LABORATORY CONTROL RESULTS OF INACTIVATED VACCINE IMMUNOGENICITY AGAINST RHINOPNEUMONIA AND SALMONELLA EQUINE ABORTION // Russian Agricultural Sciences. – 2016. – Vol. 42. №5.- P. 378-380.
10. Bylgaeva A.A., Oboeva N.A., Neustroev M.P., Tarabukina N.P., Maksimova A.N. THE PERSPECTIVES OF THE USAGE OF ELECTRICALLY AND CHEMICALLY ACTIVE FLUID MEDIUM IN AGRICULTURE / International journal of applicable and fundamental researches, 2018. – №4. – P.176-181.

## Associate Professor, Cand. vet. sc. Konstantin Rivol'evich Nifontov

Yakut State Agricultural Academy (YSAA), Deputy Dean for Science  
Faculty of Veterinary Medicine, Department of internal non-communicable diseases,  
pharmacology and obstetrics named after G.P. Serdtsev  
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### Short biography

Born	09.01.1976
Since 2015	Professor at the Department of internal non-communicable diseases, pharmacology and obstetrics named after G.P. Serdtsev, YSAA
2012-2016	Chair of the Department of internal non-communicable diseases, pharmacology and obstetrics named after G.P. Serdtsev, YSAA
2009	Doctoral thesis on "Morphofunctional characteristic and ways of correction of destructive changes in joints in sports horses", Moscow State University of Applied Biotechnology
2008	Senior lecturer and deputy dean for educational work of the Faculty of Veterinary Medicine, YSAA
2002-2008	Research Associate, Department of Hygiene and Internal Non-Communicable Animal Diseases, Faculty of Veterinary Medicine, YSAA
1998-2008	Veterinary medicine practitioner, Racing Horse Complex
1999-2002	Doctorate, Moscow State University of Applied Biotechnology
1993-1998	Dipl. Vet. Sci., Faculty of Veterinary Medicine, YSAA

### Research areas

- Infectious diseases of agricultural animals

**Track record:** ca 30 Publications

### Select publications (in Russian)

1. Nifontov, K.R. Study of bioelectric indices of brain function and cardiovascular activity of animal organism in natural hypothermia under conditions of experiment in Yakutia, *Yakut Medical Journal. Scientific and Practical Journal of the Yakutsk Scientific Center of Complex Medical Problems of the SB RAS*, **2018**.
2. Nifontov, K.R., Alekseev, R.Z., Struchkov, N.A., Andreev, A.S. Change in general clinical parameters and indices of the cardiovascular system in cold trauma in dogs. *Yakut Medical Journal. Scientific and Practical Journal of the Yakutsk Scientific Center of Complex Medical Problems of the SB RAS*, **2017**, 1, 57, pp. 54-56.
3. Nifontov, K.R. Structural and functional changes in the knee joint in rats with experimental arthritis. *International Veterinary Journal of Veterinary Medicine*, St.-Petersburg, **2013**, 1, pp. 23-26.
4. Nifontov, K.R. The effectiveness of reflexology in combination with various methods of treatment for arthrosis in sports horses, *Bulletin of the Buryat State Agricultural Academy*, Ulan Ude, **2011**, pp. 7-11.
5. Nifontov, K.R. The use of laser reflexotherapy for articular diseases in sports horses. *Journal Agrarnyj Vestnik Urala*, Yekaterinburg, **2009**, 6, pp. 74-74.
6. Nifontov, K.R. Laser reflexotherapy is one of the methods of pathogenetic influence. *Journal Veterinary*, **2009**, 1, pp. 45-47.
7. Nifontov, K.R. Application of laser reflexotherapy for joint diseases in horses. *Journal Veterinary*, **2009**, 1, pp. 48-50. Morphofunctional characteristics and ways of correction of destructive changes in joints in sports horses (abstract of the thesis). Moscow 2009.