

Publications of the FGBI "ARRIAH" researchers in foreign journals included in the abstract and citation databases, 2018–2020.

## Subject: "Lumpy skin disease"

Публикации сотрудников ФГБУ «ВНИИЗЖ» в зарубежных научных журналах за 2018–2020 гг., включенных в международные реферативные базы данных и системы цитирования.

## Тема: «Заразный узелковый дерматит крупного рогатого скота»

1. Pestova Y., Byadovskaya O., Kononov A., Sprygin A. A real-time high-resolution melting PCR assay for detection and differentiation among sheep pox virus, goat pox virus, field and vaccine strains of lumpy skin disease virus. *Mol. Cell. Probes*. 2018; 41: 57–60. DOI: 10.1016/j.mcp.2018.08.003.
2. Sprygin A., Babin Y., Pestova Y., Kononova S., Wallace D. B., Van Schalkwyk A., Byadovskaya O., Diev V., Lozovoy D., Kononov A. Analysis and insights into recombination signals in lumpy skin disease virus recovered in the field. *PLoS One*. 2018; 13 (12):e0207480. DOI: 10.1371/journal.pone.0207480.
3. Sprygin A., Pestova Y., Prutnikov P., Kononov A. Detection of vaccine-like lumpy skin disease virus in cattle and *Musca domestica* L. flies in an outbreak of lumpy skin disease in Russia in 2017. *Transbound. Emerg. Dis.* 2018; 65 (5): 1137–1144. DOI: 10.1111/tbed.12897.
4. Sprygin A., Artyuchova E., Babin Y., Prutnikov P., Kostrova E., Byadovskaya O., Kononov A. Epidemiological characterization of lumpy skin disease outbreaks in Russia in 2016. *Transbound. Emerg. Dis.* 2018; 65 (6): 1514–1521. DOI: 10.1111/tbed.12889.
5. Kononov A., Prutnikov P., Shumilova I., Kononova S., Nesterov A., Byadovskaya O., Pestova Y., Diev V., Sprygin A. Determination of lumpy skin disease virus in bovine meat and offal products following experimental infection. *Transbound. Emerg. Dis.* 2019; 66 (3): 1332–1340. DOI: 10.1111/tbed.13158.
6. Sprygin A., Babin Y., Pestova A., Kononova S., Byadovskaya A., Kononov A. Complete genome sequence of the lumpy skin disease virus recovered from the first outbreak in the Northern Caucasus Region of Russia in 2015. *Microbiol. Resour. Announc.* 2019; 8 (8):e01733-18. DOI: 10.1128/MRA.01733-18.
7. Kononov A., Byadovskaya O., Kononova S., Yashin R., Zinyakov N., Mischenko V., Perevozchikova N., Sprygin A. Detection of vaccine-like strains of lumpy skin disease virus in outbreaks in Russia in 2017. *Arch. Virol.* 2019; 164 (6): 1575–1585. DOI: 10.1007/s00705-019-04229-6.
8. Sprygin A., Pestova Y., Wallace D. B., Tuppurainen E., Kononov A. V. Transmission of lumpy skin disease: A short review. *Virus Res.* 2019; 269:197637. DOI: 10.1016/j.virusres.2019.05.015.
9. Sprygin A., Byadovskaya O., Kononova S., Zakharov V., Pestova Y., Prutnikov P., Kononov A. A real-time PCR screening assay for the universal detection of lumpy skin disease virus DNA. *BMC Res. Notes.* 2019; 12 (1):371. DOI: 10.1186/s13104-019-4412-z.
10. Kononov A., Prutnikov P., Bjadovskaya O., Kononova S., Rusaleev V., Pestova Y., Sprygin A. Emergence of a new lumpy skin disease virus variant in Kurgan Oblast, Russia, in 2018. *Arch. Virol.* 2020; 165 (6): 1343–1356. DOI: 10.1007/s00705-020-04607-5.
11. Kononov A., Byadovskaya O., Wallace D., Prutnikov P., Pestova Y., Kononova S., Nesterov A., Rusaleev V., Lozovoy D., Sprygin A. Non-vector-borne transmission of lumpy skin disease virus. *Sci. Rep.* 2020; 10 (1):7436. DOI: 10.1038/s41598-020-64029-w.
12. Kononova S., Kononov A., Shumilova I., Byadovskaya O., Nesterov A., Prutnikov P., Babiuk S., Sprygin A. A lumpy skin disease virus which underwent a recombination event demonstrates more aggressive growth in primary cells and cattle than the classical field isolate. *Transbound. Emerg. Dis.* DOI: 10.1111/tbed.13798.
13. Sprygin A., Pestova Y., Bjadovskaya O., Prutnikov P., Zinyakov N., Kononova S., Ruchnova O., Lozovoy D., Chvala I., Kononov A. Evidence of recombination of vaccine strains of lumpy skin disease virus with field strains, causing disease. *PLoS One*. 2020; 15 (5):e0232584. DOI: 10.1371/journal.pone.0232584.
14. Sprygin A., Van Schalkwyk A., Shumilova I., Nesterov A., Kononova S., Prutnikov P., Byadovskaya O., Kononov A. Full-length genome characterization of a novel recombinant vaccine-like lumpy skin disease virus strain detected during the climatic winter in Russia, 2019. *Arch. Virol.* 2020; 165 (11): 2675–2677. DOI: 10.1007/s00705-020-04756-7.

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- Papers in two languages – Russian and English – that comprise results of own scientific studies, being up to 6–8 pages (up to 10 pages for reviews) but at least 5 pages (single-spaced, size 12) are accepted for publication. Optimal paper size: **3,000–6,000 words**.  
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