

Сведения о научных руководителях диссертации
Узун Марии Михайловны
«Изучение разнообразия и эволюции
некультивируемых магнитотактических бактерий»

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Ученое звание: нет

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Список основных научных публикаций по специальностям 1.5.11 Микробиология и 1.5.6 Биотехнология (биол. науки) за последние 5 лет:

1. VV Koziaeva, SA Rusakova, NV Slobodova, M Uzun, TV Kolganova, KG Skryabin, **DS Grouzdev**. *Magnetospirillum kuznetsovii* sp. nov., a novel magnetotactic bacterium isolated from a lake in the Moscow region // International Journal of Systematic and Evolutionary Microbiology. 2019. V. 69. №. 7. DOI:10.1099/ijsem.0.003408.
2. V Koziaeva, M Dziuba, P Leão, M Uzun, M Krutkina, **D Grouzdev** Genome-based metabolic reconstruction of a novel uncultivated freshwater magnetotactic coccus "*Ca. Magnetaquicoccus inordinatus*" UR-1, and proposal of a candidate family "*Ca. Magnetaquicoccaceae*" // Frontiers in Microbiology. 2019. V. 10. DOI:10.3389/fmicb.2019.02290.
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4. VV KoZIAeva, LM Alekseeva, MM Uzun, P Leão, MV Sukhacheva, EO Patutina, TV Kolganova, **DS Grouzdev** Biodiversity of magnetotactic bacteria in the freshwater lake Beloe Bordukovskoe, Russia // Microbiology. 2020. V. 89. №. 3. P. 348–358. DOI: 10.1134/S002626172003008X.
5. CL Monteil, **DS Grouzdev**, G Perrière, B Alonso, Z Rouy, S Cruveiller, N Ginet, D Pignol, CT Lefevre Repeated horizontal gene transfers triggered parallel evolution of magnetotaxis in two evolutionary divergent lineages of magnetotactic bacteria // The ISME Journal. 2020. V. 14. P. 1783–1794. DOI:10.1038/s41396-020-0647-x.
6. KG Gareev, **DS Grouzdev**, PV Kharitonskii, A Kosterov, VV KoZIAeva, ES Sergienko, MA Shevtsov Magnetotactic bacteria and magnetosomes: basic properties and applications // Magnetochemistry. 2021. V. 7. P. 86. DOI:10.3390/magnetochemistry7060086.
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8. Uzun M., KoZIAeva V., Dziuba M., Leão P., Krutkina M., **Grouzdev D.** Detection of interphylum transfers of the magnetosome gene cluster in magnetotactic bacteria // Frontiers in Microbiology. 2022. V. 13. P. 945734. DOI: 10.3389/fmicb.2022.945734.

9. TM Zimina, NO Sitkov, KG Gareev, V Fedorov, **D Grouzdev**, V KoZIAeva, H Gao, SE Combs, M Shevtsov. Biosensors and drug delivery in oncotheranostics using inorganic synthetic and biogenic magnetic nanoparticles // *Biosensors*. 2022. DOI: 10.3390/bios12100789
10. Uzun M., KoZIAeva V., Dziuba M., Alekseeva L., Krutkina M., Sukhacheva M., Baslerov R., **Grouzdev D.** Recovery and genome reconstruction of novel magnetotactic *Elusimicrobiota* from bog soil // *The ISME Journal*. 2022. DOI:10.1038/s41396-022-01339-z.

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Список основных научных публикаций по специальностям 1.5.11 Микробиология и 1.5.6 Биотехнология (биол. науки) за последние 5 лет:

1. Kadnikov VV, Mardanov AV, Beletsky AV, Banks D, Pimenov NV, Frank YA, Karnachuk OV, **Ravin NV.** (2018) A metagenomic window into the 2-km-deep terrestrial subsurface aquifer revealed multiple pathways of organic matter decomposition. *FEMS Microbiol Ecol.* 94(10): fiy152.
2. Karnachuk OV, Frank YA, Lukina AP, Kadnikov VV, Beletsky AV, Mardanov AV, **Ravin NV.** (2019) Domestication of previously uncultivated *Candidatus Desulforudis audaxviator* from a deep aquifer in Siberia sheds light on its physiology and evolution. *ISME J.* 13(8): 1947-1959.
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6. Kadnikov VV, Savvichev AS, Mardanov AV, Beletsky AV, Chupakov AV, Kokryatskaya NM, Pimenov NV, **Ravin NV.** (2020) Metabolic diversity and evolutionary history of the archaeal phylum 'Micrarchaeota' uncovered from a freshwater lake metagenome. *Appl Environ Microbiol.* 86(23): e02199-20.
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9. Becraft ED, Lau Vetter MCY, Bezuidt OKI, Brown JM, Labonté JM, Kauneckaitė-Griguole

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10. Begmatov S, Beletsky AV, Dedysh SN, Mardanov AV, **Ravin NV**. (2022) Genome analysis of the candidate phylum MBNT15 bacterium from a boreal peatland predicted its respiratory versatility and dissimilatory iron metabolism. *Front Microbiol.* 13: 951761.

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