

СВЕДЕНИЯ ОБ ОФИЦИАЛЬНОМ ОППОНЕНТЕ
диссертации Ганюковой Анны Игоревны
«Симбионт-содержащие трипаносоматиды: жизненные циклы,
разнообразии симбиотических ассоциаций, филогения»,
представленной на соискание ученой степени кандидата биологических наук по
специальности 1.5.17. Паразитология (биологические науки)

1. *Фамилия, имя, отчество*: Насонова Елена Станиславовна

2. *Ученая степень, обладателем которой является оппонент и наименование отрасли науки, научных специальностей, по которым им защищена диссертация*: кандидат биологических наук, 1.5.22. Клеточная биология

3. *Полное наименование организации, являющейся основным местом работы оппонента на момент предоставления отзыва и занимаемая им должность*: Федеральное государственное бюджетное учреждение науки Институт цитологии Российской академии наук, ведущий научный сотрудник Лаборатории цитологии одноклеточных организмов

4. *Список научных публикаций официального оппонента по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не более 15)*:

1. Mesentsev Y, Bondarenko N, Kamyshatskaya O, **Nassonova E**, Glotova A, Loiko S, Istigechev G, Kulemzina A, Abakumov E, Rayko M, Lapidus A, Smirnov A. 2022. *Thecochaos* is not a myth: study of the genus *Thecochaos* (Amoebozoa, Discosea) – a rediscovered group of lobose amoeba, with short SSU gene. *Org Divers Evol.* <https://doi.org/10.1007/s13127-022-00581-9>
2. Kamyshatskaya O, **Nassonova E**, Bondarenko N, Smirnov A. 2022. New data on the fine structure of *Deuteroamoeba mycophaga* CCAP 1586/1 (Amoebozoa, Tubulinea). *Eur J Protistol.* 82: 125853. <https://doi.org/10.1016/j.ejop.2021.125853>
3. Mesentsev Y, Kamyshatskaya O, **Nassonova E**, Smirnov A. 2022. *Thecamoeba vumurta* n.sp. (Amoebozoa, Discosea, Thecamoebida) from freshwater pond sediment – a sibling species of *T. striata* (Penard, 1890) Schaeffer, 1926. *Eur J Protistol.* 125866. <https://doi.org/10.1016/j.ejop.2022.125866>
4. Lotonin K, Bondarenko N, **Nassonova E**, Rayko M, Smirnov A. 2022. *Balamuthia spinosa* n. sp. (Amoebozoa, Discosea) from the brackish-water sediments of Nivå Bay (Baltic Sea, The Sound) - a novel potential vector of *Legionella pneumophila* in the environment. *Parasitol Res.* 121(2):713-724. <https://doi.org/10.1007/s00436-022-07425-7>
5. Bondarenko NI, **Nassonova ES**, Mesentsev YS, Smirnov AV. 2022. Mitochondrial genome of *Thecamoeba quadrilineata* – the first MT genome among the representatives of

the order Thecamoebida (Amoebozoa, Discosea). *Protistology* 16(2):135–142. <https://doi.org/10.21685/1680-0826-2022-16-2-7>

6. **Nassonova ES**, Bondarenko NI, Paskerova GG, Kováčiková M, Frolova EV, Smirnov AV 2021. Evolutionary relationships of *Metchnikovella dogieli* Paskerova et al., 2016 (Microsporidia: Metchnikovellidae) revealed by multigene phylogenetic analysis. *Parasitology Research*. 120(2):525-534. <https://doi.org/10.1007/s00436-020-06976-x>
7. Frolova EV, Paskerova GG, Smirnov AV, **Nassonova ES** 2021. Molecular phylogeny and new light microscopic data of *Metchnikovella spiralis* (Microsporidia: Metchnikovellidae), a hyperparasite of eugregarine *Polyrhabdina* sp. from the polychaete *Pygospio elegans*. *Parasitology*. 148(7):779-786. <https://doi.org/10.1017/S0031182021000603>
8. Mesentsev Y, Bondarenko N, **Nassonova E**, Smirnov A. 2021. *Vannella primoblina* n. sp. - an unusual species of the genus *Vannella* (Amoebozoa, Discosea, Vannellida) with pronounced dorsal ridges and folds. *European Journal of Protistology*. 77:125757. <https://doi.org/10.1016/j.ejop.2020.125757>
9. Kamyshatskaya O, Bondarenko N, **Nassonova E**, Smirnov A. 2021. *Polychaos centronucleolus* n. sp. - a new terrestrial species of the genus *Polychaos* (Amoebozoa, Tubulinea) with nontypical nuclear structure. *European Journal of Protistology*. 77:125759. <https://doi.org/10.1016/j.ejop.2020.125759>
10. Михайлов К.В., **Насонова Е.С.**, Шишкин Е.А., Паскерова Г.Г., Симдянов Т.Г., Юдина В.А., Смирнов А.В., Янушкевец Я., Алешин В.В. 2021. Рибосомная РНК мечниковеллид в транскриптомах грегариин и рДНК микроспоридий sensu lato в метагеномах. *Журнал общей биологии*. 82(3): 201-228. <https://doi.org/10.31857/S0044459621030040>
11. Bondarenko NI, Glotova AA, **Nassonova ES**, Masharsky AE, Smirnov AV. 2021. The complete mitochondrial genome of an unusual strain of tiny vannellid amoeba (Amoebozoa, Discosea, Vannellida) isolated from the Niagara River (Canada). *Protistology* 15(4):304–311. <https://doi.org/10.21685/1680-0826-2021-15-4-8>
12. Yakovleva Y, **Nassonova E**, Lebedeva N, Lanzoni O, Petroni G, Potekhin A, Sabaneyeva E. 2020. The first case of microsporidiosis in *Paramecium*. *Parasitology*. 147(9):957-971. <https://doi.org/10.1017/S0031182020000633>
13. Kamyshatskaya OG, Bondarenko NI, Mesentsev YS, Chistyakova LV, **Nassonova ES**, Smirnov AV. 2020. Molecular phylogeny of *Polychaos annulatum* (Amoebozoa, Tubulinea, Euamoebida) shows that genus *Polychaos* belongs to the family Hartmannellidae. *Journal of Eukaryotic Microbiology* 67(3):321-326. <https://doi.org/10.1111/jeu.12782>
14. Wijayawardene NN, Hyde KD, Al-Ani LKT, Tedersoo L, Haelewaters D, Rajeshkumar KC, Zhao RL, Aptroot A, Leontyev DV, Saxena RK, Tokarev YS, Dai DQ, Letcher PM, Stephenson SL, Ertz D, Lumbsch HT, Kukwa M, Issi IV, Madrid H, Phillips AJL, Selbmann L, Pfliegler WP, Horváth E, Bensch K, Kirk PM, Kolaříková K, Raja HA, Radek

R, Papp V, Dima B, Ma J, Malosso E, Takamatsu S, Rambold G, Gannibal PB, Triebel D, Gautam AK, Avasthi S, Suetrong S, Timdal E, Fryar SC, Delgado G, Réblová M, Doilom M, Dolatabadi S, Pawłowska JZ, Humber RA, Kodsueb R, Sánchez-Castro I, Goto BT, Silva DKA, de Souza FA, Oehl F, da Silva GA, Silva IR, Błaszowski J, Jobim K, Maia LC, Barbosa FR, Fiuza PO, Divakar PK, Shenoy BD, Castañeda-Ruiz RF, Somrithipol S, Lateef AA, Karunarathna SC, Tibpromma S, Mortimer PE, Wanasinghe DN, Phookamsak R, Xu J, Wang Y, Tian F, Alvarado P, Li DW, Kušan I, Matočec N, Mešić A, Tkalčec Z, Maharachchikumbura SSN, Papizadeh M, Heredia G, Wartchow F, Bakhshi M, Boehm E, Youssef N, Hustad VP, Lawrey JD, Santiago ALCMA, Bezerra JDP, Souza-Motta CM, Firmino AL, Tian Q, Houbraken J, Hongsanan S, Tanaka K, Dissanayake AJ, Monteiro JS, Grossart HP, Suija A, Weerakoon G, Etayo J, Tsurukau A, Vázquez V, Mungai P, Damm U, Li QR, Zhang H, Boonmee S, Lu YZ, Becerra AG, Kendrick B, Brearley FQ, Motiejūnaitė J, Sharma B, Khare R, Gaikwad S, Wijesundara DSA, Tang LZ, He MQ, Flakus A, Rodriguez-Flakus P, Zhurbenko MP, McKenzie EHC, Stadler M, Bhat DJ, Liu JK, Raza M, Jeewon R, **Nassonova ES**, Prieto M, Jayalal RGU, Erdoğdu M, Yurkov A, Schnittler M, Shchepin ON, Novozhilov YK, Silva-Filho AGS, Gentekaki E, Liu P, Cavender JC, Kang Y, Mohammad S, Zhang LF, Xu RF, Li YM, Dayarathne MC, Ekanayaka AH, Wen TC, Deng CY, Pereira OL, Navathe S, Hawksworth DL, Fan XL, Dissanayake LS, Kuhnert E, Grossart HP, Thines M. 2020. Outline of Fungi and fungus-like taxa. *Mycosphere* 11(1): 1060–1456. <https://doi.org/10.5943/mycosphere/11/1/8>

15. Smirnov AV, Kulishkin NS, Surkova AA, Mesentsev YS, Bondarenko NI, **Nassonova ES**, Mazei YA. 2020. Molecular phylogeny of *Paradermamoeba valamo* (Amoebozoa, Discosea, Dermamoebida). *Protistology* 14 (4) 219–226 <https://doi.org/10.21685/1680-0826-2020-14-4-1>
16. Gordetskaya O, Mesentsev Y, Kamyshatskaya O, Michel R, Walochnik J, Smirnov A, **Nassonova E**. 2019. Real-time observations on the development of intranuclear parasite *Nucleophaga amoebae* (Rozellomycota) in the culture of *Thecamoeba quadrilineata*. *Protistology*, 13(4):236-245. <https://doi.org/10.21685/1680-0826-2019-13-4-6>
17. Bondarenko N, Glotova A, **Nassonova E**, Masharsky A, Plev D, Smirnov A. 2019. The complete mitochondrial genome of *Paravannella minima* (Amoebozoa, Discosea, Vannellida). *European Journal of Protistology*. 68:80-87. <https://doi.org/10.1016/j.ejop.2019.01.005>
18. Bondarenko N, Smirnov A, **Nassonova E**, Glotova A, Fiore-Donno AM. 2019. Mitochondrial genomes of Amoebozoa. *Protistology* 13 (4): 179–191. <https://doi.org/10.21685/1680-0826-2019-13-4-1>
19. Galindo LJ, Torruella G, Moreira D, Timpano H, Paskerova G, Smirnov A, **Nassonova E**, López-García P. 2018. Evolutionary genomics of *Metchnikovella incurvata* (Metchnikovellidae): an early branching microsporidium. *Genome Biology and Evolution*. 10(10): 2736-2748. <https://doi.org/10.1093/gbe/evy205>
20. Bondarenko NI, **Nassonova ES**, Mijanovic O, Glotova AA, Kamyshatskaya OG, Kudryavtsev AA, Masharsky AE, Plev DE, Smirnov AV. 2018. Mitochondrial genome

of *Vannella croatica* (Amoebozoa, Discosea, Vannellida). Journal of Eukaryotic Microbiology. 65(6): 820-827. <https://doi.org/10.1111/jeu.12523>

21. Bondarenko N, Glotova A, **Nassonova E**, Masharsky A, Kudryavtsev A, Smirnov A. 2018. The complete mitochondrial genome of *Vannella simplex* (Amoebozoa, Discosea, Vannellida). European Journal of Protistology. 63: 83-95. <https://doi.org/10.1016/j.ejop.2018.01.006>
22. Kamyshatskaya O, Mesentsev Y, Smirnov A, Michel R, Walochnik J, **Nassonova E**. 2018. Fine structure of *Thecamoeba quadrilineata* strain CCAP 1583/10 (Amoebozoa, Discosea, Thecamoebida), the host of *Nucleophaga amoebae* (Rozellomycota). Protistology 12(4): 191–201. <https://doi.org/10.21685/1680-0826-2018-12-4-4>
23. Bondarenko N, Glotova A, Kamyshatskaya O, Mesentsev Y, Lotonin K, Masharsky A, Polev D, **Nassonova E**, Smirnov A. 2018. The complete mitochondrial genome of *Clydonella sawyeri* (Amoebozoa, Discosea, Vannellida). Protistology 12 (1): 47–54. <https://doi.org/10.21685/1680-0826-2018-12-1-4>

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