

## Список публикаций С.А. Бондарева за последние 5 лет

1. Sokolov P.A., Bondarev S.A., Belousov M.V., Zhouravleva G.A., Kasyanenko N.A. Sup35NMp Morphology Evaluation on Au, Si, Formvar and Mica Surfaces Using AFM, SEM and TEM. *Journal of Structural Biology*. 2018. 201. 1. 5-14
2. Drozdova P., Lipaeva P., Rogoza T., Zhouravleva G., Bondarev S. Overproduction of Sch9 leads to its aggregation and cell elongation in *Saccharomyces cerevisiae*. *PLoS ONE*. 2018. 13. 3. e0193726
3. Belousov M.V., Bondarev S.A., Kosolapova A.O., Antonets K.S., Sulatskaya A.I., Sulatsky M.I., Zhouravleva G.A., Kuznetsova I.M., Turoverov K.K., Nizhnikov A.A. M60-like metalloprotease domain of the *Escherichia coli* YghJ protein forms amyloid fibrils. *PLoS ONE*. 2018. 13. 1. e0191317
4. Bondarev S.A., Antonets K.S., Kajava A.V., Nizhnikov A.A., and Zhouravleva G.A. Protein Co-Aggregation Related to Amyloids: Methods of Investigation, Diversity, and Classification. *Int. J. Mol. Sci*. 2018. 19. NA. 2292
5. Сулацкий М.И., Сулацкая А.Ю., Родиина Н.П., Белоусов М.В., Бондарев С.А., Журавлева Г.А., Туроверов К.К., Кузнецова И.М. Время жизни возбужденного состояния и анизотропия флуоресценции свободного и связанного с амилоидными фибриллами тиофлавина Т. *Цитология*. 2018. 60. 10. 838-841
6. Danilov L.G., Matveenko A.G., Ryzhkova V.E., Belousov M.V., Poleshuk O.I., Likholetova D.V., Sokolov P.A., Kasyanenko N.A., Kajava A.V., Zhouravleva G.A., Bondarev S.A. Design of a New [PSI<sup>+</sup>]-No-More Mutation in SUP35 With Strong Inhibitory Effect on the [PSI<sup>+</sup>] Prion Propagation. *Frontiers in Molecular Neuroscience*. 2019. 12. NA. 274
7. Trubitsina N.P., Zemlyanko O.M., Bondarev S.A., Zhouravleva G.A. Nonsense mutations in the yeast SUP35 gene affect the [PSI<sup>+</sup>] prion propagation. *Int. J. Mol. Sci*. 2020. 21. 5. 1648
8. Barbitoff Y.A., Matveenko A.G., Bondarev S.A., Maksiutenko E.M., Kulikova A.V., Zhouravleva G.A. Quantitative Assessment of Chaperone Binding to Amyloid Aggregates Identifies Specificity of Hsp40 Interaction With Yeast Prion Fibrils. *FEMS Yeast Res*. 2020. 20. 4. foaa025
9. Drozdova P.B., Barbitoff Y.A., Belousov M.V., Skitchenko R.K., Rogoza T.M., Leclercq J.Y., Kajava A.V., Matveenko A.G., Zhouravleva G.A., Bondarev S.A. Estimation of amyloid aggregate sizes with semi-denaturing detergent agarose gel electrophoresis and its limitations. *Prion*. 2020. 14. 1. 118-128
10. Sulatskaya A.I., Bondarev S.A., Sulatsky M.I., Trubitsina N.P., Belousov M.V., Zhouravleva G.A., Llanos M., Kajava A.V., Kuznetsova I.M., Turoverov K.K. Point mutations affecting yeast prion propagation change the structure of its amyloid fibrils. *Journal of Molecular Liquids*. 2020. 314. ND. 113618
11. Матиив А.Б., Трубицина Н.П., Матвеенко А.Г., Барбитов Ю.А., Журавлева Г.А., Бондарев С.А. Амилоидные и амилоидоподобные агрегаты: многообразие и кризис термина. *Биохимия*. 2020. 85. 9. 1213-1239
12. Danilov L.G., Moskalenko S.E., Matveenko A.G., Sukhanova X.V., Belousov M.V., Zhouravleva G.A., Bondarev S.A. The human NUP58 nucleoporin can form amyloids in vitro and in vivo. *Biomedicines*. 2021. 9. 10. 1451
13. Kharkov B.B., Podkorytov I.S., Bondarev S.A., Belousov M.V., Salikov V.A., Zhouravleva G.A., Skrynnikov N.R. Role of rotational motion in diffusion NMR experiments on supramolecular assemblies: application to Sup35NM fibrils. *Angewandte Chemie - International Edition*. 2021. 60. 28. 15441-15451
14. Sergeeva A.V., Belashova T.A., Bondarev S.A., Velizhanina M.E., Barbitoff Y.A., Matveenko A.G., Valina A.A., Simanova A.L., Zhouravleva G.A., and Galkin A.P. Direct

- proof of the amyloid nature of yeast prions [PSI+] and [PIN+] by the method of immunoprecipitation of native fibrils. FEMS Yeast Res. 2021. 21. 6. foab046
15. Журавлева Г.А., Бондарев С.А., Землянко О.М., Москаленко С.Е. Роль белков, взаимодействующих с факторами терминации трансляции ERF1 и ERF3, в регуляции трансляции и прионизации. Молекулярная биология. 2022. 56. 2. 206-226
  16. Матиив А.Б., Трубицина Н.П., Матвеев А.Г., Барбитов Ю.А., Журавлева Г.А., Бондарев С.А. Структура и полиморфизм амилоидных и амилоидоподобных агрегатов. Биохимия. 2022. 87. 5. 587-602
  17. Sokolov P.A., Rolich V.I., Vezo O.S., Belousov M.V., Bondarev S.A., Zhouravleva G.A., Kasyanenko N.A. Amyloid fibril length distribution from dynamic light scattering data. European Biophysics Journal. 2022. 51. 325-333
  18. Matiiv A.B., Moskalenko S.E., Sergeeva O.S., Zhouravleva G.A., Bondarev S.A. NOS1AP Interacts with  $\alpha$ -Synuclein and Aggregates in Yeast and Mammalian Cells. Int. J. Mol. Sci. 2022. 23. 9102
  19. Saini P.K., Dawitz H., Aufschneider A., Bondarev S., Thomas J., Amblard A., Stewart J., Thierry-Mieg N., Ott M., Pierrel F. The [PSI+] prion modulates cytochrome c oxidase deficiency caused by deletion of COX12. MboC. 2022. 33. 14. ar130

С.А. Бондарев



17.01.23

