

Портфолио преподавателя  
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Образование и повышение квалификации	высшее, МГУ им. М.В. Ломоносова
Область научных интересов	Биохимия, биоэнергетика, обмен дрожжей
Премии и награды (при наличии)	Премия имени А.Н. Баха (совместно с А.В. Котельниковой), 1984 г., за цикл работ «Биохимия дрожжевых митохондрий»
Избранные публикации	<ol style="list-style-type: none"> <li>1. Bazhenova E.N., Deryabina Yu.I., Eriksson O., <b>Zvyagil'skaya R.A.</b>, Saris N.-E. Characterization of a high-capacity calcium transport system in mitochondria of the yeast <i>Endomyces magnusii</i>. J. Biol. Chem., 1998, 273 (7): 4372-4377.</li> <li>2. Bazhenova E.N., Saris N.-E., Pentilla T., <b>Zvyagil'skaya R.A.</b> Stimulation of the mitochondrial calcium uniporter by hypotonicity and ruthenium red. Biochim. Biophys. Acta. Biomembr. 1998, 371(1): 96-100.</li> <li>3. Martinez P., <b>Zvyagil'skaya R.</b>, Allard P., Persson B. Physiological regulation of the derepressible phosphate transporter in <i>Saccharomyces cerevisiae</i>. J. Bacteriol., 1998, 180 (8): 2253-2256.</li> <li>4. Deryabina Yu, Bazhenova E., Saris N.-E., <b>Zvyagil'skaya R.</b> Ca<sup>2+</sup> efflux from mitochondria of the yeast <i>Endomyces magnusii</i>. J. Biol. Chem., 2001, 276: 47901-47906.</li> <li>5. <b>Zvyagil'skaya, R.A.</b>, Parchomenko, O., Abramova, N., Allard P., Panaretakis, T., Pattison-Granberg J., Persson B.L. Proton- and sodium-coupled phosphate transport systems and energy status of <i>Yarrowia lipolytica</i> cells grown at acidic and alkaline growth conditions. J. Membr. Biol., 2001, 183: 39-50.</li> <li>6. Lagerstedt, J.O., <b>Zvyagil'skaya, R.</b>, Pratt, J.R., Pattison-Granberg, J., Kruckeberg, A.L., Berden, J.A., Persson, B.L.</li> </ol>

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10. Skulachev V.P., Antonenko Yu.N., Cherepanov D.A., Chernyak B.V., Khailova L.S., Korshunova G.A., Lyamzaev K.G., Roginsky V.A., Rokitskaya T.I., Severin F.F., Severina I.I., Simonyan R.A., Skulachev M.V., Sumbatian N.V., Sukhanova E.I., Tashlitsky V.N., Trendeleva T.A., Vyssokikh M.Yu., **Zvyagilskaya R.A.** Prevention of cardiolipin oxidation and fatty acid cycling as two antioxidant mechanisms of cationic derivatives of plastoquinone (SkQs) (review). Biochim. Biophys. Acta, 2010, 1797 (6-7):878-889.

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16. Pustovidko A.V., Rokitskaya T.I., Severina I.I., Simonyan R.A., Trendeleva T.A., Lyamzaev K.G., Antonenko Y.N.,

	<p>Rogov A.G., <b>Zvyagilskaya R.A.</b>, Skulachev V.P., Chernyak B.V. Derivatives of the cationic plant alkaloids berberine and palmatine amplify protonophorous activity of fatty acids in model membranes and mitochondria. <i>Mitochondrion</i>. 2013;13(5):520-525</p> <p>17. Severina I.I., Severin F.F., Korshunova G.A., Sumbatyan N.V., Ilyasova T.M., Simonyan R.A., Rogov A.G., Trendeleva T.A., <b>Zvyagilskaya R.A.</b>, Dugina V.B., Domnina L.V., Fetisova E.K., Lyamzaev K.G., Vyssokikh M.Y., Chernyak B.V., Skulachev M.V., Skulachev V.P., Sadovnichii VA. In search of novel highly active mitochondria-targeted antioxidants: thymoquinone and its cationic derivatives. <i>FEBS Lett</i>. 2013; 587(13):2018-2024.</p> <p>18. Khailova L.S.; Silachev D.N.; Rokitskaya T.I.; Avetisyan A.V., Lyamsaev K.G., Severina I.I., Ilyasova T.M., Gulyaev M.V., Dedukhova V.I., Trendeleva T.A., Plotnikov E.Y., <b>Zvyagilskaya R.A.</b>, Chernyak B.V., Zorov D.B., Antonenko Y.N., Skulachev V.P. A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and as a neuroprotector. <i>Biochim. Biophys. Acta (Bioenerg.)</i>. 2014, 1837 1739–1747.</p> <p>19. Goleva T., Rogov A., <b>Zvyagilskaya R.</b> Alzheimer’s Disease: Molecular Hall marks and Yeast Models. <i>J. Alzheimer’s Disease &amp; Parkinsonism</i>, 2017, 7 (6): 394-401.</p> <p>20. Rogov, A.G., Ovchenkova, A.P., Goleva, T.N., Kireev, I.I., <b>Zvyagilskaya, R.A.</b> New yeast models for studying mitochondrial morphology as affected by oxidative stress and other factors. <i>Anal. Biochem. Methods in Biological Sciences</i>, 2018, 552, 24-29.</p>
Преподаваемые дисциплины	Избранные главы биохимии
Общий стаж работы, лет	58
Стаж работы по специальности, лет	58