

Сведения о научных руководителях
диссертации Нарайкиной Юлии Валерьевны
«Кодирующая некодирующая теломеразная РНК человека»

Научный руководитель: Донцова Ольга Анатольевна

Учёная степень: доктор химических наук

Учёное звание: профессор, академик РАН

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Место работы: ФГБОУ высшего образования «Московский государственный университет имени М.В. Ломоносова», Химический факультет

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Список основных научных публикаций по специальностям 02.00.10 – биорганическая химия и 03.01.03 – молекулярная биология (химические науки) (за последние 5 лет):

1. Mariasina S.S., Petrova O.A., Osterman I.A., Sergeeva O.A., Efimov S.V., Klochkov V.V., Sergiev P.V., **Dontsova O.A.**, Huang T., Chang C., Polshakov V.I. NMR assignments of the WBSCR27 protein related to Williams-Beuren syndrome. // *Biomolecular NMR Assignments*. 2018. Том 12. №2. С.303-308.
2. Rubtsova M.[†], Naraykina Y.[†], Vasilkova D., Meerson M., Zvereva M., Prassolov V., Lazarev V., Manuvera V., Kovalchuk S., Anikanov N., Butenko I., Pobeguts O., Govorun V., **Dontsova O.** Protein encoded in human telomerase RNA is involved in cell protective pathways. // *Nucleic Acids Research*. 2018. том 46. № 17. С. 8966–8977.
3. Petrova O.A.[†], Mantsyzov A.B.[†], Rodina E.V.[†], Efimov S.V., Hackenberg C., Hakanpää J., Klochkov V.V., Lebedev A.A., Chugunova A.A., Malyavko A.N., Zatsepin T.S., Mishin A.V., Zvereva M.I., Lamzin V.S., **Dontsova O.A.** and Polshakov V.I. Structure and function of the N-terminal domain of the yeast telomerase reverse transcriptase. // *Nucleic Acids Research*. 2018. Том 46. № 3. С. 1525–1540.
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- nextgeneration sequencing to study 5'-UTR influence on translation efficiency in *Escherichia coli*. // *Nucleic Acids Research*. 2018. Tom 45. №6. C. 3487-3502.
5. Kalinina Marina A., Skvortsov Dmitry A., Rubtsova Maria P., Komarova Ekaterina S., **Dontsova Olga A.** Cytotoxicity Test Based on Human Cells Labeled with Fluorescent Proteins: Fluorimetry, Photography, and Scanning for High-Throughput Assay. // *Molecular Imaging and Biology*. 2018. Tom. 20. №. 3. C. 368-377.
6. Osterman Ilya A., Khabibullina Nelli F., Komarova Ekaterina S., Kasatsky Pavel, Kartsev Victor G., Bogdanov Alexey A., **Dontsova Olga A.**, Konevega Andrey L., Sergiev Petr V., Polikanov Yury S. Madumycin II inhibits peptide bond formation by forcing the peptidyl transferase center into an inactive state. // *Nucleic Acids Research*. 2018. Tom 45. №12. C. 7507–7514.
7. Beletsky Alexey V., Malyavko Alexander N., Sukhanova Maria V., Mardanova Eugenia S., Zvereva Maria I., Petrova O.A., Parfenova Yulia Yu, Rubtsova Maria P., Mardanov Andrey V., Lavrik Olga I., **Dontsova Olga A.**, Ravin Nikolai V. The genome-wide transcription response to telomerase deficiency in the thermotolerant yeast *Hansenula polymorpha* DL-1. // *BMC Genomics*. 2017. Tom 18. № 1.
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1. **Rubtsova M.**[†], Naraykina Y.[†], Vasilkova D., Meerson M., Zvereva M., Prassolov V., Lazarev V., Manuvera V., Kovalchuk S., Anikanov N., Butenko I., Pobeguts O., Govorun V., Dontsova O. Protein encoded in human telomerase RNA is involved in cell protective pathways. // *Nucleic Acids Research*. 2018. том 46. № 17. С. 8966–8977.
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5. Olga Shubernetskaya, Dmitry Skvortsov, Evfratov Sergey A., **Maria Rubtsova**, Elena Belova, Olga Strelkova, Varvara Cherepaninets, Oxana Zhironkina, Alexey Olovnikov, Maria Zvereva, Olga Dontsova, Kireev Igor I. Interstitial telomeric repeats-associated DNA breaks. // *Nucleus*. 2017. Том 8. № 6. С. 641-653.
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