

Список публикаций ведущей организации

Федеральное государственное бюджетное учреждение науки Институт биологии развития им. Н.К. Кольцова Российской академии наук (ИБР РАН)
по теме диссертации в рецензируемых научных изданиях за 2020–2025 гг.

1. Cherkashina O.L., Tsitrina A., Abolin D.S., Morgun E., Kosykh A., Sabirov M., Vorotelyak E., Kalabusheva E.P. The recovery of epidermal proliferation pattern in human skin xenograft // *Cells*. 2025. V. 14, № 6. Art. no. 448. doi: 10.3390/cells14060448.
2. Melnikov N.P., Bolshakov F.V., Lavrov A.I., Frolova V.S., Skorentseva K.V., Saidova A.A., Ereskovsky A.V. Tissue homeostasis in sponges: quantitative analysis of cell proliferation and apoptosis // *Journal of Experimental Zoology Part B: Molecular and Developmental Evolution*. 2022. V. 338, № 6. P. 360–381.
3. Kraus Y., Osadchenko B., Kosevich I. Embryonic development of the moon jellyfish *Aurelia aurita* (Cnidaria, Scyphozoa): another variant on the theme of invagination // *PeerJ*. 2022. V. 10. Art. no. e13361. doi: 10.7717/peerj.13361.
4. Abdyev V.K., Dashenkova N.O., Dashinimaev E.B., Vorotelyak E.A., Vasiliev A.V. NANOS3 downregulation in down syndrome hiPSCs during primordial germ cell-like cell differentiation // *Histochemistry and Cell Biology*. 2022. V. 157, № 1. P. 83–91.
5. Lyadova I., Vasiliev A. Macrophages derived from pluripotent stem cells: prospective applications and research gaps // *Cell and Bioscience*. 2022. V. 12. Art. no. 96. doi: 10.1186/s13578-022-00824-4.
6. Grigoryan E.N. Pigment epithelia of the eye: cell-type conversion in regeneration and disease // *Life–Basel*. 2022. Vol. 12, № 3. Art. no. 382. doi: 10.3390/life12030382.
7. Grigoryan E.N. Self-organization of the retina during eye development, retinal regeneration in vivo, and in retinal 3D organoids in vitro // *Biomedicines*. 2022. V. 10. P. 1458–1489. doi: 10.3390/biomedicines10061458.
8. Lebedeva T., Aman A.J., Graf T., Niedermoser I., Zimmermann B., Kraus Y., Schatka M., Demilly A., Technau U., Genikhovich G. Cnidarian-bilaterian comparison reveals the ancestral regulatory logic of the β -catenin dependent axial patterning // *Nature Communications*. 2021. V. 12, № 1. Art. no. 4032. doi: 10.1038/s41467-021-24346-8.
9. Grigoryan E.N. Study of natural longlife juvenility and tissue regeneration in caudate amphibians and potential application of resulting data in biomedicine // *Journal of Developmental Biology*. 2021. Vol. 9, № 1. Art. no. 2. doi: 10.3390/jdb9010002.
10. Ereskovsky A., Borisenko I.E., Bolshakov F.V., Lavrov A.I. Whole-body regeneration in sponges: Diversity, fine mechanisms, and future prospects // *Genes*. 2021. Vol. 12, № 4. Art. no. 506. doi: 10.3390/genes12040506.
11. Ivanov A.A., Kuznetsova A.V., Popova O.P., Danilova T.I., Yanushevich O.O. Modern approaches to acellular therapy in bone and dental regeneration // *International Journal of Molecular Sciences*. 2021. V. 15, № 24. Art. no. 13454. doi: 10.3390/ijms222413454.
12. Karameinski D., Meusemann K., Goodheart J.A., Schroedl M., Martynov A., Korshunova T., Wägele H., Donath A. Transcriptomics provides a robust framework for the relationships of the major clades of cladobranch sea slugs (Mollusca, Gastropoda, Heterobranchia), but fails to resolve the position of the enigmatic genus *Embletonia* // *BMC Ecology and Evolution*. 2021. V. 21, № 1. Art. no. 226. doi: 10.1186/s12862-021-01944-0.

13. Grigoryan E.N. Potential endogenous cell sources for retinal regeneration in vertebrates and humans: progenitor traits and specialization // *Biomedicines*. 2020. Vol. 8. Art. no. 208. doi:10.3390/biomedicines8070208.
14. Brovkina O., Dashinimaev E. Advances and complications of regenerative medicine in diabetes therapy // *PeerJ*. 2020. V. 8. Art. no. e9746. doi: 10.7717/peerj.9746.
15. Ereskovsky A.V., Tokina D.B., Saidov D.M., Baghdiguian S., Le Goff E., Lavrov A.I. Transdifferentiation and mesenchymal-to-epithelial transition during regeneration in Demospongiae (Porifera) // *Journal of Experimental Zoology – B: Molecular and Developmental Evolution*. 2020. V. 334, № 1. P. 37–58. doi: 10.1002/jez.b.22919.