

**Публикации по теме научного доклада Ульянова Сергея Владимировича
«Механизмы формирования и поддержания пространственной организации генома»**

По теме работы опубликовано 32 статьи в журналах, индексируемых Scopus и Web of Science, и входящих в квартили Q1 и Q2 Scimago Journal and Country Rank (SJR):

1. **Ulianov S.V.**, Velichko A.K., Magnitov M.D., Luzhin A.V., Golov A.K., Ovsyannikova N., Kireev I.I., Gavrikov A.S., Mishin A.S., Garaev A.K., Tyakht A.V., Gavrillov A.A., Kantidze O.L., Razin S.V. (2021) Suppression of liquid–liquid phase separation by 1,6-hexanediol partially compromises the 3D genome organization in living cells. *Nucleic Acids Research*, 49(18):10524-10541. doi: 10.1093/nar/gkab249.

Импакт-фактор: **16.48**, квартиль: **Q1**. <https://doi.org/10.1093/nar/gkab249>

2. **Ulianov S.V.**, Zakharova V.V., Galitsyna A.A., Kos P.I., Polovnikov K.E., Flyamer I.M., Mikhaleva E.A., Khrameeva E.E., Germini D., Logacheva M.D., Gavrillov A.A., Gorsky A.S., Nechaev S.K., Gelfand M.S., Vassetzky Y.S., Chertovich A.V., Shevelyov Y.Y., Razin S.V. (2021) Order and stochasticity in the folding of individual *Drosophila* genomes. *Nature Communications*, 12(1):41. doi: 10.1038/s41467-020-20292-z.

Импакт-фактор: **14.91**, квартиль: **Q1**. <https://doi.org/10.1038/s41467-020-20292-z>.

3. **Ulianov S.V.**, Doronin S.S., Khrameeva E.E., Kos P.I., Luzhin A.V., Starikov S.S., Galitsyna A.A., Nenasheva V.V., Ilyin A.A., Flyamer I.M., Mikhaleva E.A., Logacheva M.D., Gelfand M.S., Chertovich A.V., Gavrillov A.A., Razin S.V., Shevelyov Y.Y. (2019) Nuclear lamina integrity is required for proper spatial organization of chromatin in *Drosophila*. *Nature Communications*, 10(1):1176. doi: 10.1038/s41467-019-09185-y.

Импакт-фактор: **14.91**, квартиль: **Q1**. <https://doi.org/10.1038/s41467-019-09185-y>.

4. **Ulianov S.V.**, Galitsyna A.A., Flyamer I.M., Golov A.K., Khrameeva E.E., Imakaev M.V., Abdennur N.A., Gelfand M.S., Gavrillov A.A. and Razin S.V. (2017) Activation of the alpha-globin gene expression correlates with dramatic upregulation of nearby non-globin genes and changes in local and large-scale chromatin spatial structure. *Epigenetics and Chromatin*, 10(1):35. doi: 10.1186/s13072-017-0142-4.

Импакт-фактор: **4.95**, квартиль: **Q1**. <https://doi.org/10.1186/s13072-017-0142-4>.

5. **Ulianov S.V.**, Khrameeva E.E., Gavrillov A.A., Flyamer I.M., Kos P., Mikhaleva E.A., Penin A.A., Logacheva M.D., Imakaev M.V., Chertovich A. et al. (2016) Active chromatin and

transcription play a key role in chromosome partitioning into topologically associating domains. *Genome Research*, 26(1):70-84. doi: 10.1101/gr.196006.115.

Импакт-фактор: **9.04**, квартиль: **Q1**.

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Импакт-фактор: **49.96**, квартиль: **Q1**. <https://doi.org/10.1038/nature21711>.

7. **Ulianov S.V.** and Razin S.V. (2021) The two waves in single-cell 3D genomics. *Seminars in Cell and Developmental Biology*, 121:143-152. doi: 10.1016/j.semcd.2021.05.021.

Импакт-фактор: **6.25**, квартиль: **Q1**. <https://doi.org/10.1016/j.semcd.2021.05.021>.

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Импакт-фактор: **4.34**, квартиль: **Q1**. <https://doi.org/10.1002/bies.201700104>.

9. **Ulianov S.V.**, Gavrilov A.A. and Razin S.V. (2015) Nuclear compartments, genome folding, and enhancer-promoter communication. *International review of cell and molecular biology*, 315:183-244. doi: 10.1016/bs.ircmb.2014.11.004.

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14. Zakharova V.V., Magnitov M.D., Del Maestro L., **Ulianov S.V.**, Glentis A., Uyanik B., Williard A., Karpukhina A., Demidov O., Joliot V., Vassetzky Y.S., Mege R.-M., Piel M., Razin S.V., Ait-Si-Ali S. (2022) SETDB1 fuels the lung cancer phenotype by modulating epigenome, 3D genome organization and chromatin mechanical properties. *Nucleic Acids Research*, 50(8):4389–413. doi: 10.1093/nar/gkac234.

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