Yuriy L. ORLOV

PhD, DrSci, Professor of the Russian Academy of Sciences

Current position: Professor, Chair of Information and Internet-technologies, Institute of Digital Medicine, I.M. Sechenov First Moscow State Medical University (Sechenov University), Moscow, Russia

Other affiliations: Life Sciences Department, Novosibirsk State University, and Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia

Agrarian and Technological Institute, Peoples' Friendship University of Russia (RUDN), Moscow

E-mail: orlov@d-health.institute

Indexing and citations:

ResearchGate: https://www.researchgate.net/profile/Yuriy_Orlov/info

Scopus: Author ID 7102256498

Google Scholar: http://scholar.google.ru/citations?user=jV45cOAAAAAJ; H-index – **28**.

ORCID: 0000-0003-0587-1609

Publons: https://publons.com/researcher/2644249/yuriy-l-orlov

Editorial work:

Associated editor: «Journal of Integrative Bioinformatics» https://www.degruyter.com/view/j/jib/,

Associated editor of the "Journal of Bioinformatics and Computational Biology" (JBCB) https://www.worldscientific.com/page/jbcb/editorial-board.Academic editor of PeerJ journal (https://peerj.com/YuriyOrlov/)

Guest editor of Frontiers in Genetics (special issues – "Bioinformatics of Genome Regulation"):

Guest editor for BioMed Central series journal special issues – BMC Genomics

Guest editor and editorial board member for MDPI International Journal of Molecular Sciences https://www.mdpi.com/journal/ijms/special_issues/Bioinformatics_Gene

Research interests:

E-Health. Medical education. Telemedicine. Genetics. NGS data analysis. Integration of genome annotation and expression data. Gene networks.

Representative publications

1. Li G., Ruan X., Auerbach R.K., Sandhu K.S.,… **Orlov Y.L.**, … Sung W.K., Snyder M., Ruan Y. Extensive promoter-centered chromatin interactions provide a topological basis for transcription regulation. *Cell*. **2012** 148(1-2):84-98.

2. Chia N.-Y., Chan Y.-S., Feng B., Lu X., **Orlov Y.L.,**... Ng H.H. A genome-wide RNAi screen identifies PRDM14 as a regulator of POU5F1 and human embryonic stem cell identity *Nature*. **2010** 468(7321):316-20.

3. Han J., Yuan P., Yang H., …., **Orlov Y.L.**, Lufkin T., Ng H.H., Tam W.L., Lim B. Tbx3 improves the germ-line competency of induced pluripotent stem cells. *Nature*. **2010** 463(7284):1096-100.

4. Fullwood M.J., Liu M.H., Pan Y.F., Liu J., Xu H., Mohamed Y.B., **Orlov Y.L.**, … Wei C.L., Cheung E., Ruan Y. An oestrogen-receptor-alpha-bound human chromatin interactome. *Nature*. **2009** 462(7269):58-64.

5. Chen X., Xu H., Yuan P., Fang F., ... Orlov Y.L., … Wei C.L., Ng H.H. Integration of external signaling pathways with the core transcriptional network in embryonic stem cells. *Cell*. **2008**. 133(6):1106-17.