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Н.И.Вавилова РАН за 2012-2016 гг. (по данным сайта <http://vigg.ru/nauchnaja-deyatelnost/publikacii/>)

1. Андрианов Б.В., Сорокина С.Ю., Лазебный О.Е., Горячева И.И., Горелова Т.В., Каштанов С.Н. Изменчивость митохондриального генома domesticiрованного соболя (*Martes zibellina*) // Генетика. 2012. 48(4): 529-541.
2. Одинцова Т. И, Коростылева Т.В, Уткина Л.Л, Андреев Я.А, Славохотова А.А, Истомина Е.А, Пухальский В.А, Егоров Ц.А. Антимикробные пептиды пшеницы. // Вавиловский журнал генетики и селекции 2012, 16 (1): 585-594.
3. Поморцев А.А., Мартынов С.П., Лялина Е.В.. Полиморфизм по гордеин-кодирующим локусам популяций ячменя (*Hordeum vulgare* L.) стран Восточной Азии (Китай, Непал, Пакистан, Индия) // Генетика. 2012. т.48, №8, с. 934-950.
4. Grishaeva T.M., Zakharov I.A. Comparison of eukaryotic nuclear proteins with prokaryotic proteins: implications for eukaryogenesis // Current Topics in Genetics. 2012. 5: 31 – 36
5. **Permina** EA, Medvedeva YA, Baeck PM, Hegde SR, Mande SC, **Makeev** VJ. Identification of self-consistent modulons from bacterial microarray expression data with the help of structured regulon gene sets. J Biomol Struct Dyn. 2013; 31(1):115-24. IF 4.986
6. Chhatre, V., Byram, T. Neale D.B., Wegrzyn J.L., **Krutovsky K.V.** Genetic structure and association mapping of adaptive and selective traits in the East Texas loblolly pine (*Pinus taeda* L.) breeding populations. Tree Genetics and Genomes 2013 9(5): 1161-1178 IF 2.397
7. Tayeh A, Estoup A, Hufbauer RA, Ravigne V, **Goryacheva I, Zakharov IA**, Lombaert E, Facon B. Investigating the genetic load of an emblematic invasive species: the case of the invasive harlequin ladybird *Harmonia axyridis*. Ecol Evol. 2013 Apr; 3(4):864-71. IF 1.184
8. Bogomazova AN, **Lagarkova** MA, Panova AV, Nekrasov ED, Kiselev SL. Reactivation of X chromosome upon reprogramming leads to changes in the replication pattern and 5hmC accumulation. Chromosoma. 2014 Mar;123(1-2):117-28.
9. Pogorelko GV, Mokryakova M, Fursova OV, Abdeeva I, Piruzian ES, **Bruskin** SA. Characterization of three Arabidopsis thaliana immunophilin genes involved in the plant defense response against Pseudomonas syringae. Gene. 2014 Mar 15;538(1):12-22.
10. Slavokhotova AA, Rogozhin EA, Musolyamov AK, Andreev YA, Oparin PB, Berkut AA, Vassilevski AA, Egorov TA, Grishin EV, Odintsova TI. Novel

antifungal  $\alpha$ -hairpinin peptide from *Stellaria media* seeds: structure, biosynthesis, gene structure and evolution. *Plant Mol Biol*. 2014. V. 84(1-2). P. 189-202. IF 4.072

11. Berkut AA, Usmanova DR, Peigneur S, Oparin PB, Mineev KS, Odintsova TI, Tytgat J, Arseniev AS, Grishin EV, Vassilevski AA. Structural Similarity between Defense Peptide from Wheat and Scorpion Neurotoxin Permits Rational Functional Design. *J Biol Chem*. 2014. V. 289(20). P. 14331-40. IF 4.6
12. Slavokhotova AA, Naumann TA, Price NP, Rogozhin EA, Andreev YA, Vassilevski AA, Odintsova TI. Novel mode of action in plant defense peptides: hevein-like antimicrobial peptides from wheat inhibit fungal metalloproteases. *FEBS J*. 2014. V. 281(20). P. 4754-64. IF 3.986
13. Zvyagin I.V. , Pogorelyy M.V., Ivanova M. E. , Komech M. E. , Shugay M. , Bolotin D.A. , **Shelenkov A.A.**, Kurnosov A.A. , Staroverov D.B. , Chudakov D.M. , Lebedev Y.B., Mamedov I.Z. Distinctive properties of identical twins' TCR repertoires revealed by high-throughput sequencing. *PNAS*, 2014, 111(16):5980-5, doi: 10.1073/pnas.1319389111 - IF 9.809 (лаб. функциональной геномики)
14. Dasgupta M.G., Dharanishanthi V., Agarwal I., **Krutovsky K.V.** Development of genetic markers in *Eucalyptus* species by target enrichment and exome sequencing // *PLoS One*. 2015.10(1): e0116528. doi:10.1371/journal.pone.011652.
15. Lu M, **Krutovsky KV**, Nelson CD, Koralewski TE, Byram TD, Loopstra CA. Exome genotyping, linkage disequilibrium and population structure in loblolly pine (*Pinus taeda* L.). *BMC Genomics*. 2016 Sep 13;17(1):730.