Сведения об официальном оппоненте

Фамилия Имя Отчество (полностью)	Кулаковский Иван Владимирович	
Ученая степень и наименование отрасли наук, научных специальностей, по которым защищена диссертация	Степень Доктор биологических наук	Наименование 03.01.09 – Математическая биология, биоинформатика
Полное наименование организации - основное место работы, должность	Федеральное государственное бюджетное учреждение науки Институт молекулярной биологии им. В.А. Энгельгардта Российской академии наук	Ведущий научный сотрудник
Список основных публикаций оппонента по теме диссертации в рецензируемых научных изданиях за посл. 5 лет (не более 15)	1. (2017) A.M. Schwartz, D.E. Demin, I.E. Vorontsov, A.S. Kasyanov, L.V. Putlyaeva, K.A. Tatosyan, I.V. Kulakovskiy, D.V. Kuprash; Multiple single nucleotide polymorphisms in the first intron of the IL2RA gene affect transcription factor binding and enhancer activity. *Gene*, 602:50-56, doi: 10.1016/j.gene.2016.11.032 2. (2017) M.A. Afanasyeva, L.V. Putlyaeva, D.E. Demin, I.V. Kulakovskiy, I.E. Vorontsov, M.V. Fridman, V.J. Makeev, D.V. Kuprash, A.M. Schwartz; The single nucleotide variant rs12722489 determines differential estrogen receptor binding and enhancer properties of an IL2RA intronic region. *PloS One*, 12(2): e0172681, doi:10.1371/journal.pone.0172681 3. (2016) I.V. Kulakovskiy, I.E. Vorontsov, I.S. Yevshin, A.V. Soboleva, A.S. Kasianov, H. Ashoor, W. Ba-Alawi, V.B. Bajic, Y.A. Medvedeva, F.A. Kolpakov, V.J. Makeev; HOCOMOCO: expansion and enhancement of the collection of transcription factor binding sites models. *Nucleic Acids Res.*, 44(D1):D116-25, doi: 10.1093/nar/gkv1249 4. (2016) I.E. Vorontsov, G.Khimulya, E.N. Lukianova, D.D. Nikolaeva, I.A. Eliseeva, I.V. Kulakovskiy, V.J. Makeev; Negative selection maintains transcription factor binding motifs in human cancer. *BMC Genomics*, 17(S.2):395, doi: 10.1186/s12864-016-2728-9 5. (2016) N. Zolotarev, A. Fedotova, O. Kyrchanova, A. Bonchuk, A.A. Penin, A.S. Lando, I.A. Eliseeva, I.V. Kulakovskiy, O. Maksimenko, P. Georgiev; Architectural proteins Pita, Zw5, and ZIPIC contain homodimerization	

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