

## Сведения об официальном оппоненте

**Кочетков Сергей Николаевич**, доктор химических наук, специальность 03.01.03 – молекулярная биология, член-корреспондент РАН, профессор, заведующий лабораторией молекулярных основ действия физиологически активных соединений, Федеральное государственное бюджетное учреждение науки Институт молекулярной биологии им. В.А. Энгельгардта РАН, г. Москва.

Список основных публикаций по теме диссертации за последние 5 лет:

1. Ivanov A.V., Valuev-Elliston V.T., Tyurina D.A., Ivanova O.N., Kochetkov S.N., Bartosch B., Isaguliants M.G. (2017) Oxidative Stress, a trigger of hepatitis C and B virus-induced carcinogenesis. *Oncotarget*, 8 (3), 3895-3932.
2. Ivanov A.V., Valuev-Elliston V.T., Ivanova O.N., Kochetkov S.N., Starodubova E.S., Bartosch B., Isaguliants M.G. (2016) Oxidative Stress during HIV Infection: Mechanisms and Consequences. *Oxid Med Cell Longev*, 2016:8910396.
3. Yanvarev D.V., Korovina A.N., Usanov N.N., Khomich O.A., Vepsalainen J., Puljula E., Kukhanova M.K., Kochetkov S.N. (2016) Methylene bisphosphonates as the inhibitors of HIV RT phosphorolytic activity. *Biochimie*, 127, 153-162.
4. Leporati A., Novikov M.S., Valuev-Elliston V.T., Korolev S.P., Khandazhinskaya A.L., Kochetkov S.N., Gupta S., Goding J., Bolotin E., Gottikh M.B., Bogdanov A.A., Jr. (2016) Hydrophobic-core PEGylated graft copolymer-stabilized nanoparticles composed of insoluble non-nucleoside reverse transcriptase inhibitors exhibit strong anti-HIV activity. *Nanomed-Nanotechnol Biol Med*, 12, 2405-2413.
5. Solyev P.N., Jasko M.V., Kleymenova A.A., Kukhanova M.K., Kochetkov S.N. (2015) Versatile synthesis of oxime-containing acyclic nucleoside phosphonates - synthetic solutions and antiviral activity. *Org Biomol Chem* 13, 10946-10956.
6. Hyvonen M.T., Khomutov M., Petit M., Weisell J., Kochetkov S.N., Alhonen L., Vepsalainen J., Khomutov A.R, Keinanen T.A. (2015) Enantiomers of 3-Methylspermidine selectively modulate deoxyhypusine synthesis and reveal important determinants for spermidine transport. *ACS Chem Biol*, 10 (6), 1417–1424.
7. Vanpouille C., Khandazhinskaya A., Karpenko I., Zicari S, Barreto-de-Souza V.,

Frolova S., Margolis L., Kochetkov S. (2014) A new antiviral: Chimeric 3TC–AZT phosphonate efficiently inhibits HIV-1 in human tissues ex vivo. *Antiviral Res*, 109, 125-131.

8. Kozlov M.V., Kleymenova A.A., Romanova L.I. , Konduktorov K.A., Smirnova O.A., Prasolov V.S., Kochetkov S.N. (2013) Benzohydroxamic acids as potent and selective anti-HCV agents. *Bioorg Med Chem Lett*, 23, 5936–5940.

9. Shmalenyuk E.R., Chernousova L.N., Karpenko I.L., Kochetkov S.N., Smirnova T.G., Andreevskaya S.N., Chizhov A.O., Efremenkova O.V., Alexandrova L.A. (2013) Inhibition of *Mycobacterium tuberculosis* strains H37Rv and MDR MS-115 by a new set of C5 modified pyrimidine nucleosides. *Bioorg Med Chem*, 21, 4874–4884.

10. Ivanov A.V., Bartosch B., Isaguliants M.G., Kochetkov S.N. (2013) HCV and Oxidative Stress in the Liver. *Viruses*, 5, 439-469.