

Federico Focher publications

Books

1. Pierre-Louis Moreau de Maupertuis, *La Venere Fisica*, a cura di Federico Focher, Ibis, Pavia, 2003.
2. Federico Focher, *L'uomo che gettò nel panico Darwin. La vita e le scoperte di Alfred Russel Wallace*, Bollati Boringhieri, Torino, 2006.
3. Federico Focher, *Alexander von Humboldt. Schizzo biografico dal vivo*, Il Prato, Padova, 2009.
4. Federico Focher, *Due atei, un prete e un agnostico. Pranzo a casa Darwin*, Il Prato, Saonara (PD), 2012.
5. Pierre-Louis Moreau de Maupertuis, *Lettere filosofiche e scientifiche. Lettera sul progresso delle scienze*, a cura di Federico Focher, Pavia University Press, Pavia, 2014.

ISI papers

- 1: Vasuvat J, Montree A, Moonsom S, Leartsakulpanich U, Petmitr S, Focher F, Wright GE, Chavalitsheewinkoon-Petmitr P. Biochemical and functional characterization of Plasmodium falciparum DNA polymerase delta. *Malar J.* 2016 Feb 24;15:116. doi: 10.1186/s12936-016-1166-0. PubMed PMID: 26911594; PubMed Central PMCID: PMC4766629.
- 2: Savi L, Brindisi M, Alfano G, Butini S, La Pietra V, Novellino E, Marinelli L, Lossani A, Focher F, Cavella C, Campiani G, Gemma S. Site-directed Mutagenesis of Key Residues Unveiled a Novel Allosteric Site on Human Adenosine Kinase for Pyrrolobenzoxa(thia)zepinone Non-Nucleoside Inhibitors. *Chem Biol Drug Des.* 2016 Jan;87(1):112-20. doi: 10.1111/cbdd.12630. Epub 2015 Sep 18. PubMed PMID: 26242695.
- 3: Yanachkova M, Xu WC, Dvoskin S, Dix EJ, Yanachkov IB, Focher F, Savi L, Sanchez MD, Foster TP, Wright GE. Prodrugs of herpes simplex thymidine kinase inhibitors. *Antivir Chem Chemother.* 2015 Apr;24(2):47-55. doi:10.1177/2040206615608722. Epub 2015 Oct 13. PubMed PMID: 26463822.
- 4: Focher F. Maupertuis: the 'old synthesis'. *J Genet.* 2014 Aug;93(2):607-8. PubMed PMID: 25189267.

- 5: Chiodi I, Belgiovine C, Zongaro S, Ricotti R, Horard B, Lossani A, Focher F, Gilson E, Giulotto E, Mondello C. Super-telomeres in transformed human fibroblasts. *Biochim Biophys Acta*. 2013 Aug;1833(8):1885-93. doi: 10.1016/j.bbamer.2013.03.030. Epub 2013 Apr 6. PubMed PMID: 23570868.
- 6: Lossani A, Savi L, Manikowski A, Maioli A, Gambino J, Focher F, Spadari S, Wright GE. N(2)-Phenyl-9-(hydroxyalkyl)guanines and related compounds are substrates for Herpes simplex virus thymidine kinases. *J Mol Biochem*. 2012;1(1):21-25. PubMed PMID: 24734222; PubMed Central PMCID: PMC3984574.
- 7: Torti A, Lossani A, Savi L, Focher F, Wright GE, Brown NC, Xu WC. Clostridium difficile DNA polymerase IIIC: basis for activity of antibacterial compounds. *Curr Enzym Inhib*. 2011 Oct;7(3):147-153. PubMed PMID: 22844265; PubMed Central PMCID: PMC3404731.
- 8: Butini S, Gemma S, Brindisi M, Borrelli G, Fiorini I, Samuele A, Karytinis A, Facchini M, Lossani A, Zanolli S, Campiani G, Novellino E, Focher F, Maga G. Enantioselective binding of second generation pyrrolobenzoxazepinones to the catalytic ternary complex of HIV-1 RT wild-type and L100I and K103N drug resistant mutants. *Bioorg Med Chem Lett*. 2011 Jul 1;21(13):3935-8. doi: 10.1016/j.bmcl.2011.05.020. Epub 2011 May 14. PubMed PMID: 21636271.
- 9: Butini S, Gemma S, Brindisi M, Borrelli G, Lossani A, Ponte AM, Torti A, Maga G, Marinelli L, La Pietra V, Fiorini I, Lamponi S, Campiani G, Zisterer DM, Nathwani SM, Sartini S, La Motta C, Da Settimo F, Novellino E, Focher F. Non-nucleoside inhibitors of human adenosine kinase: synthesis, molecular modeling, and biological studies. *J Med Chem*. 2011 Mar 10;54(5):1401-20. doi: 10.1021/jm101438u. Epub 2011 Feb 14. PubMed PMID: 21319802.
- 10: Gebhardt BM, Focher F, Eberle R, Manikowski A, Wright GE. Effect of combinations of antiviral drugs on herpes simplex encephalitis. *Drug Des Devel Ther*. 2009 Dec 29;3:289-94. PubMed PMID: 20054446; PubMed Central PMCID: PMC2802127.
- 11: Lossani A, Torti A, Gatti S, Bruno A, Maserati R, Wright GE, Focher F. Thymidine kinase and uridine-cytidine kinase from *Entamoeba histolytica*: cloning, characterization, and search for specific inhibitors. *Parasitology*. 2009 May;136(6):595-602. doi: 10.1017/S0031182009005964. Epub 2009 Apr 16. PubMed PMID: 19368743.
- 12: Focher F, Lossani A, Verri A, Spadari S, Maioli A, Gambino JJ, Wright GE, Eberle R, Black DH, Medveczky P, Medveczky M, Shugar D. Sensitivity of monkey virus (Cercopithecine herpesvirus 1) to antiviral drugs: role of thymidine kinase in

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