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Agent based modeling of viral infections: an investigation across several spatio-temporal scales

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List of Publications

Published:

E. Mancini; A. Bankhead, III; A.C. Sims; R.S. Baric; S.K. McWeeney and P.M.A. Sloot: A simulation framework to investigate in vitro viral infection dynamics, *Journal of Computational Science*, vol. 4, nr 3 pp. 127-134. May 2013. (DOI: 10.1016/j.jocs.2011.08.007)

E. Mancini; F. Castiglione; M. Bernaschi; A. de Luca and P.M.A. Sloot: HIV Reservoirs and Immune Surveillance Evasion Cause the Failure of Structured Treatment Interruptions: A Computational Study, *PLoS ONE*, vol. 7, nr 4 pp. e36108. Public Library of Science. April 2012. (DOI: 10.1371/journal.pone.0036108)

N. Zarrabi; E. Mancini; J.C. Tay; S. Shahand and P.M.A. Sloot: Modeling HIV-1 intracellular replication: two simulation approaches, in P.M.A. Sloot; G.D. van Albada and J. Dongarra, editors, *ICCS 2010*, in series *Procedia Computer Science*, vol. 1, nr 1. May 2010, Outstanding Paper Award, *ICCS 2010*. ISSN: 1877-0509. (DOI: 10.1016/j.procs.2010.04.059)

E. Mancini; A. Bankhead, III; A.C. Sims; R.S. Baric; S.K. McWeeney and P.M.A. Sloot: A Simulation Framework to Investigate in vitro Viral Infection Dynamics, in M. Sato; S. Matsuoka; G.D. van Albada; J. Dongarra and P.M.A. Sloot, editors, *Proceedings of the International Conference on Computational Science, ICCS 2011*, in series *Procedia Computer Science*, vol. 4, nr 1 pp. 1798-1807. Elsevier, 2011. ISSN 1877-0509. (DOI: 10.1016/j.procs.2011.04.195)

Submitted:

E.Mancini; R. Quax, A. de Luca and P.M.A. Sloot: *In silico* studies reveal two phases of sustained response of a patient's immune system to treatment during primary HIV infection, (submitted to *Proceedings of the National Academy of Sciences*)