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A multi-scale approach for deciphering HIV infection

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Publications

Published:

G. Ertaylan*; D. van Dijk*, C.A.B. Boucher and P.M.A. Sloot: Identifying potential survival strategies of HIV-1 through virus-host protein interaction networks, *BMC Systems Biology*, (PubMedID 20633292) vol. 4, nr 1 pp. 96+17. 2010. ISSN 1752-0509. (DOI: 10.1186/1752-0509-4-96)

G. Ertaylan*; S. Jaeger*, D. van Dijk; U. Leser and P.M.A. Sloot: Inference of Surface Membrane Factors of HIV-1 Infection through Functional Interaction Networks, *PLoS One*, vol. 5, nr 10 pp. e13139+12. 2010. (DOI: 10.1371/journal.pone.0013139)

P.M.A. Sloot; P.V. Coveney; G. Ertaylan; V. Müller; C.A.B. Boucher and M.T. Bubak: HIV Decision Support: From Molecule to Man, *Phil. Trans. R. Soc. A*, vol. 367, nr 1898 pp. 2691-2703. 2009. (DOI: 10.1098/rsta.2009.0043)

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G. Ertaylan, P.M.A. Sloot: A Model of HIV-1 Coreceptor Tropism: Population Perspective, in ISMB/ECCB. Stockholm, Sweden, June 2009

G. Ertaylan and P.M.A. Sloot: A complex automata model of HIV-1 co-receptor tropism: mutation rate prediction, in M.T. Bubak; M. Turala and K. Wiatr, editors, *CGW'07 proceedings*, pp. 85-85. Krakow, Poland, October 2008. ISBN 978-83-915141-9-1.

P.M.A. Sloot; A. Tirado-Ramos; G. Ertaylan; B. Ó Nualláin; D.A.M.C. van de Vijver; C.A.B. Boucher and M.T. Bubak: VIROLAB: a Distributed Decision Support System for Viral Disease Treatment, in M.T. Bubak; M. Turala and K. Wiatr, editors, *CGW'07 proceedings*, pp. 33-34. Krakow, Poland, October 2008. ISBN 978-83-915141-9-1.

G. Ertaylan and P.M.A. Slood: A complex automata model of HIV-1 co-receptor tropism: Understanding mutation rate pressure, in Reviews in Antiretroviral Therapy, Washington D.C., USA, December 2007

Submitted:

Ilkay Altintas; Manish Kumar Anand; Adam Belloumi; Gokhan Ertaylan; Bartosz Balis; Marian Bubak; Peter M.A. Slood: Collaborative Provenance for Workflow-Driven Science - A Position Paper. Future Generation Computer Systems

In preparation:

G. Ertaylan; P.M.A. Slood: An evolutionary model on HIV's co-receptor switch.