

WEI-SHAU HU, PH.D.

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Peer-Reviewed Research Publications:

1. Nikolaitchik, O.A., S. Liu, J.P. Kitzrow, Y. Liu, J.M.O. Rawson, S. Shakya, Z. Cheng, V.K. Pathak, **W.-S. Hu**, and K. Musier-Forsyth. 2021. Selective packaging of HIV-1 RNA genome is guided by the stability of 5' untranslated region polyA stem. *Proc. Natl. Acad. Sci. USA* **118**:e2114494118. PMID: [34873042](#).
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3. Wright, I.A., M.J. Bale, W. Shao, **W.-S. Hu**, J.M. Coffin, G.U. van Zyl, and M.F. Kearney. 2021. HIVIntact: A python-based tool for HIV-1 genome intactness inference. *Retrovirology* **18**:16. PMCID: [PMC8237426](#).
4. Li, C., R.C. Burdick, K. Nagashima, **W.-S. Hu**, and V.K. Pathak. 2021. HIV-1 cores retain their integrity until minutes before uncoating in the nucleus. *Proc. Natl. Acad. Sci. USA* **118**: e2019467118. PMCID: [PMC7958386](#).
5. Rawson, J.M.O., A. Duchon, O.A. Nikolaitchik, V.K. Pathak, and **W.-S. Hu**. 2021. Development of a cell-based luciferase complementation assay for identification of SARS-CoV-2 3CL^{pro} inhibitors. *Viruses* **13**:173. PMCID: [PMC7911889](#).
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7. Chen, J., C. Umunnakwe, D.Q. Sun, O.A. Nikolaitchik, V.K. Pathak, B. Berkhout, A.T. Das, and **W.-S. Hu**. 2020. Impact of nuclear export pathway on cytoplasmic HIV-1 RNA transport mechanism and distribution. *mBio* **11**:e01578-20. PMCID: [PMC7667035](#).
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10. Burdick, R.C., C. Li, M. Munshi, J.M.O. Rawson, K. Nagashima, **W.-S. Hu**, and V.K. Pathak. 2020. HIV-1 uncoats in the nucleus near sites of integration. *Proc. Natl. Acad. Sci. USA* **117**:5486-5493. PMCID: [PMC7071919](#). ([Article awarded 2020 Cozzarelli Prize](#))

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Invited Book Chapters, Reviews, and Commentaries:

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