



POSTER PRESENTATION

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The Tax protein and the minichromosome maintenance protein complex MCM2-7 affect cell replication and viral transcription

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From 16th International Conference on Human Retroviruses: HTLV and Related Viruses
Montreal, Canada. 26-30 June 2013

The Tax oncoprotein plays a key role in the mechanisms of transformation, viral persistence and pathogenicity. Recently, we showed that Tax interacts with the minichromosome maintenance MCM2-7 helicase and binds to origins of DNA replication (Boxus et al, 2012 *Blood* 119:151). In fact, Tax modulates the spatiotemporal program of origin activation during the S phase of cell cycle. By this mechanism, Tax accelerates S phase progression through early firing of late replication origins. By interacting with the 5' LTR, the MCM2-7 complex also modulates Tax transactivation. Together, our data thus demonstrates that interaction between Tax and MCM2-7 modulates reprogramming of replication origins as well as viral transcription.

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Published: 7 January 2014

doi:10.1186/1742-4690-11-S1-P96

Cite this article as: Barez et al.: The Tax protein and the minichromosome maintenance protein complex MCM2-7 affect cell replication and viral transcription. *Retrovirology* 2014 **11**(Suppl 1):P96.

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