



**Towards a functional cure for HIV-1 infection:
BRD4 modulator ZL0580 and LEDGINs additively
block and lock HIV-1 transcription**



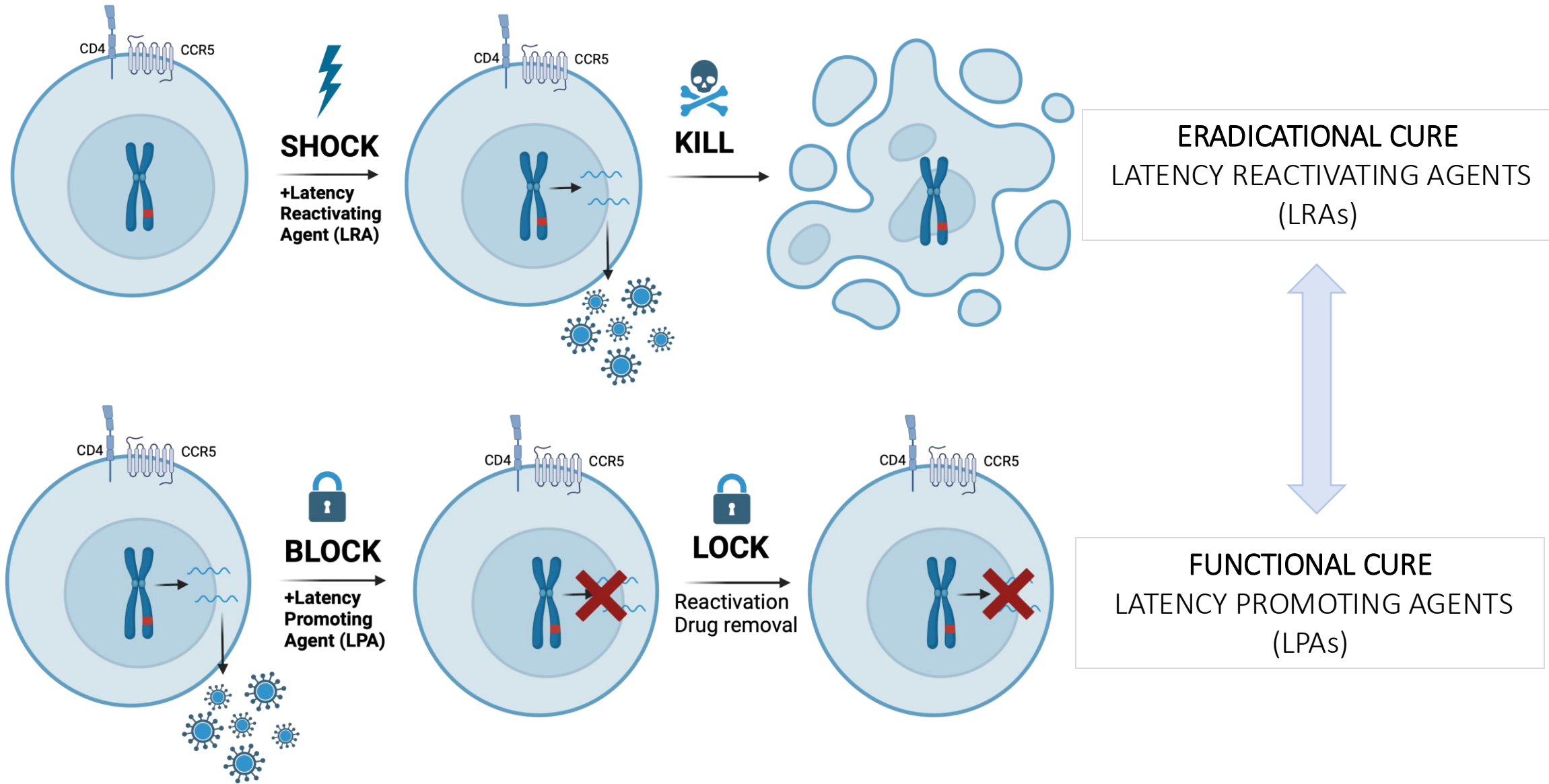
Eline Pellaers

Prof. Zeger Debyser

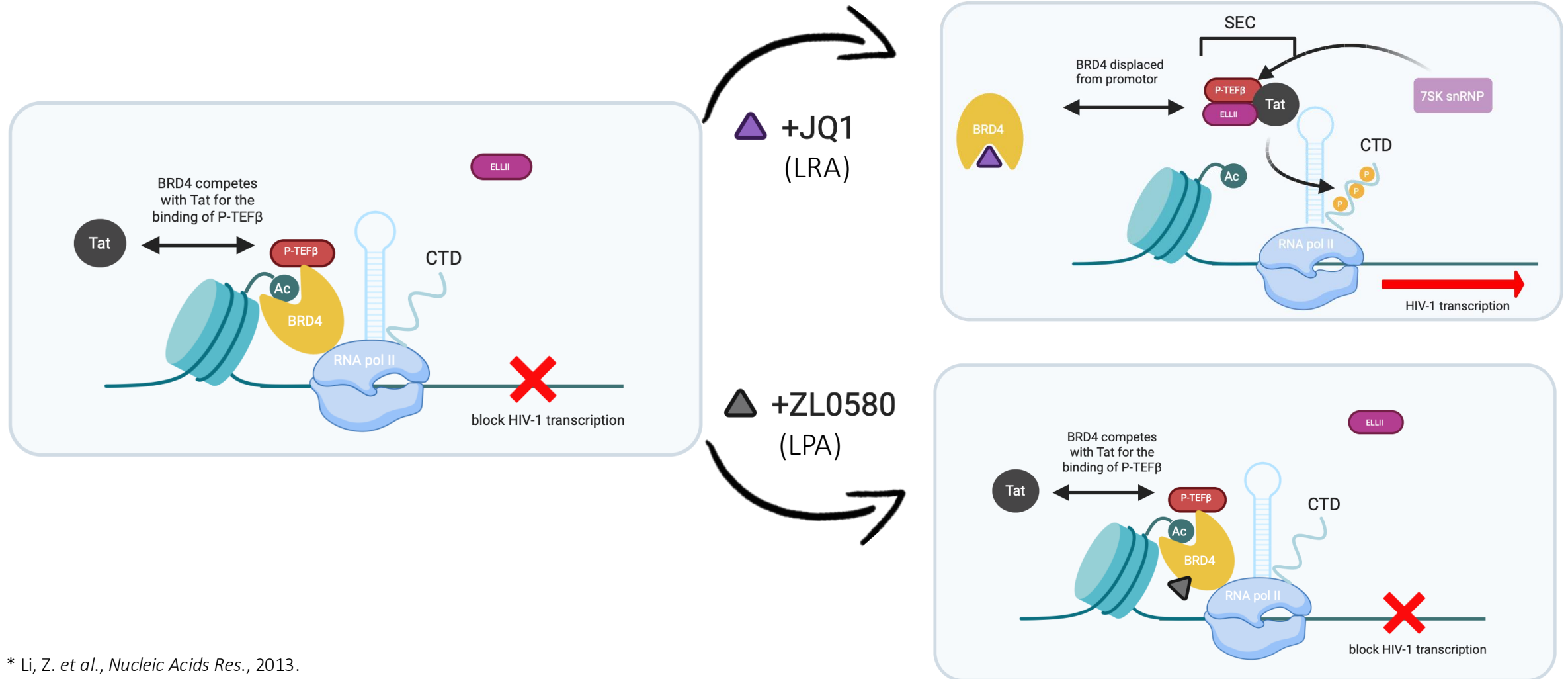
KU Leuven

Poster Basic Science

How can we cure HIV infection?



Role of BRD4 in transcriptional regulation of HIV-1

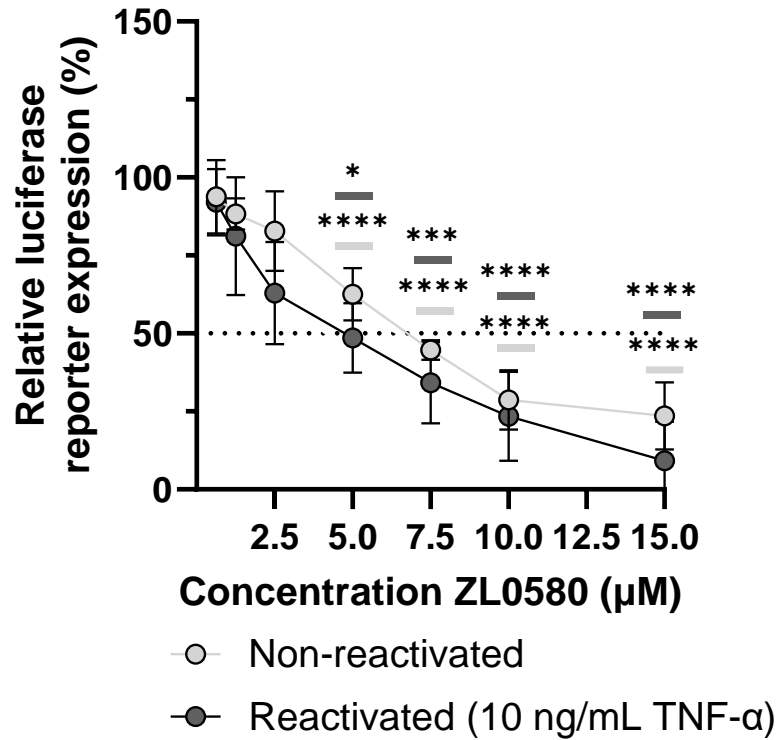


* Li, Z. *et al.*, *Nucleic Acids Res.*, 2013.

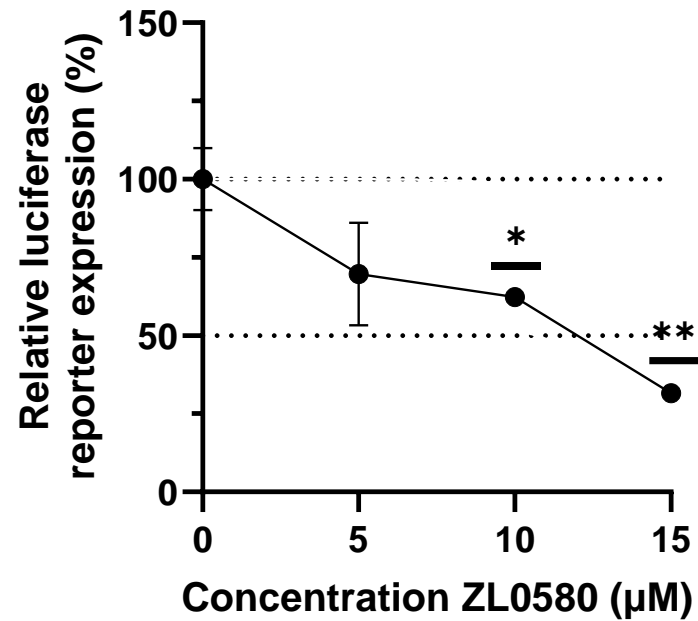
* Niu, Q. *et al.*, *J. Clin. Invest.*, 2019.

ZL0580 as a latency promoting agent

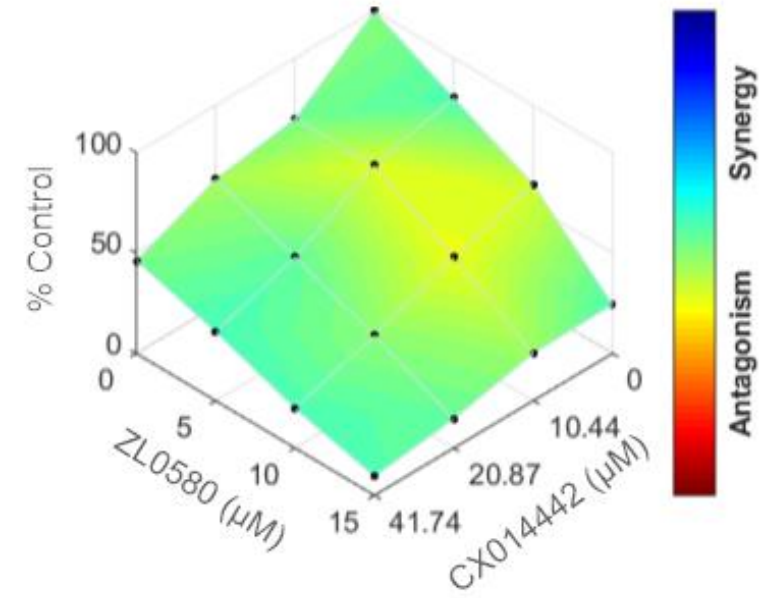
Cancer cell lines models
(SupT1)



PBMCs



Synergy with other LPAs



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