

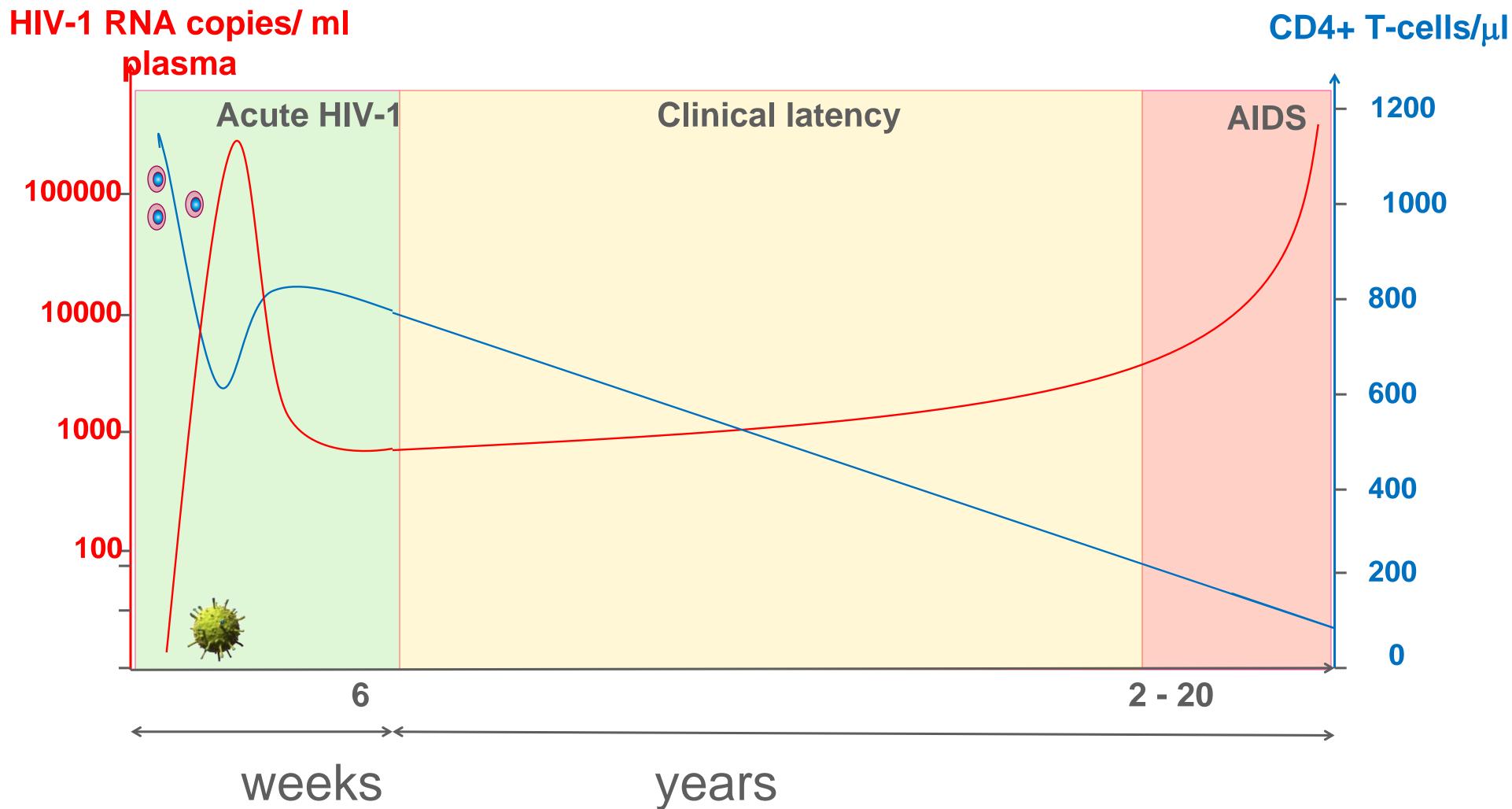
Unmasking triggers for latency disruption and viremia control after treatment interruption

Sarah Gerlo & Linos Vandekerckhove

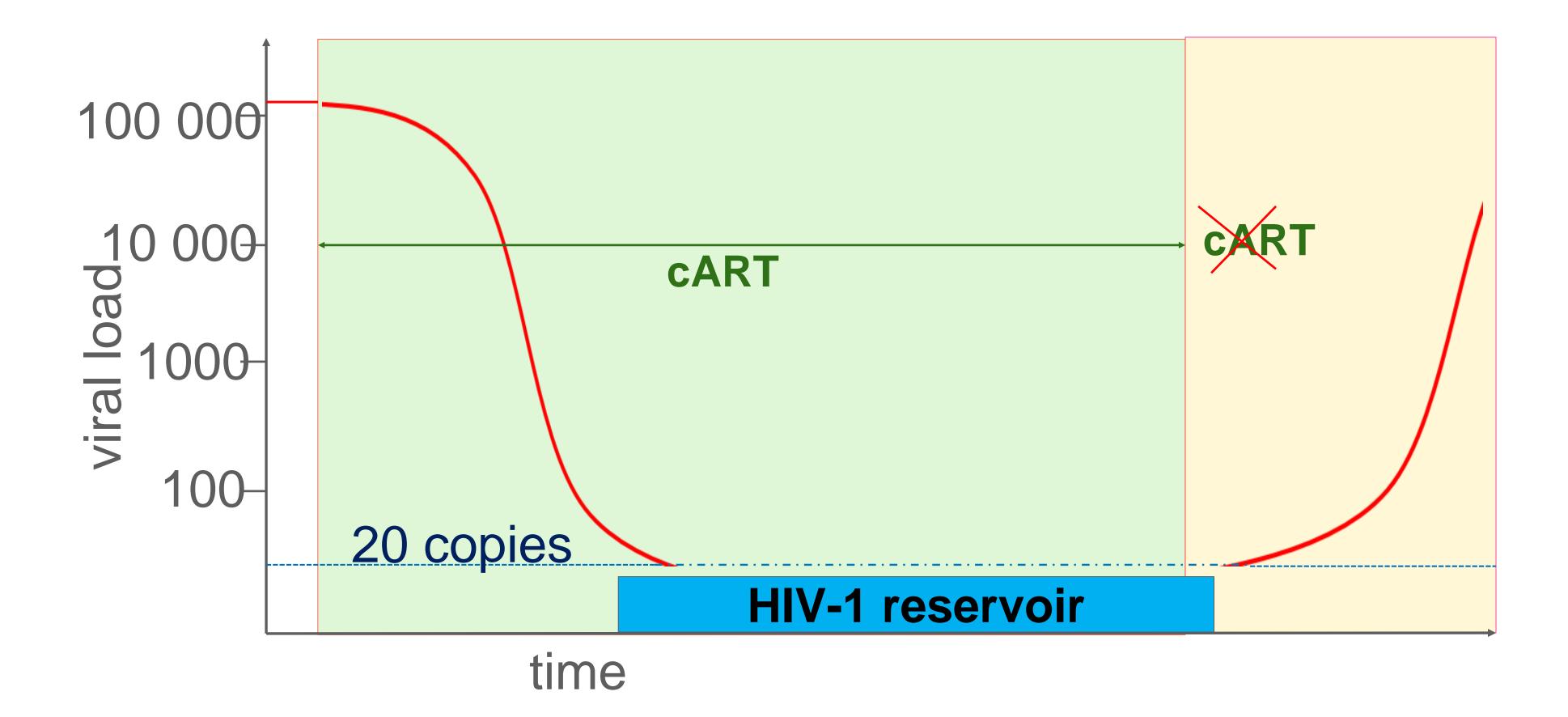


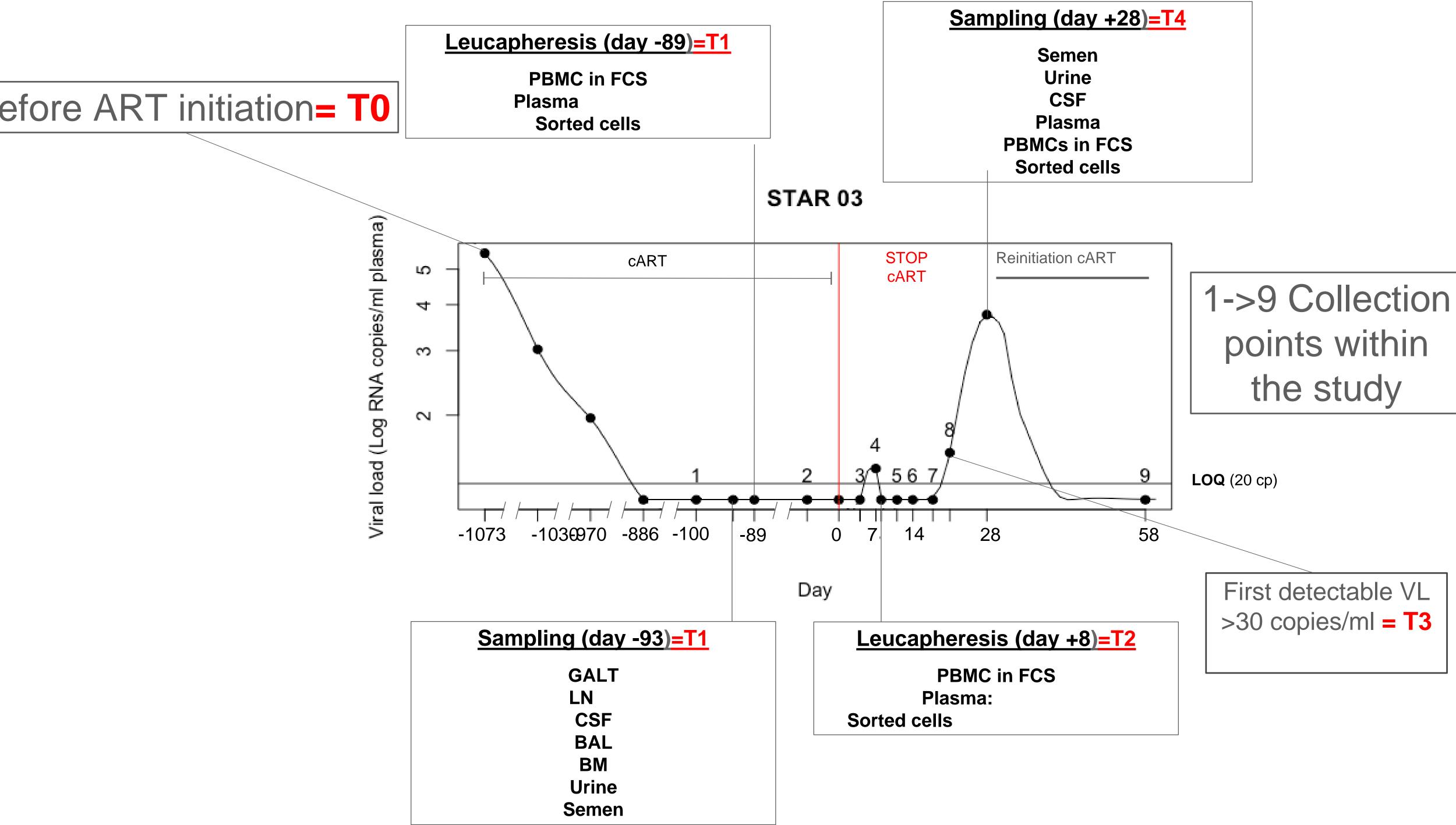


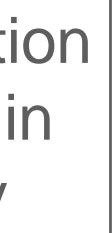
HIV pathogenesis



HIV latency



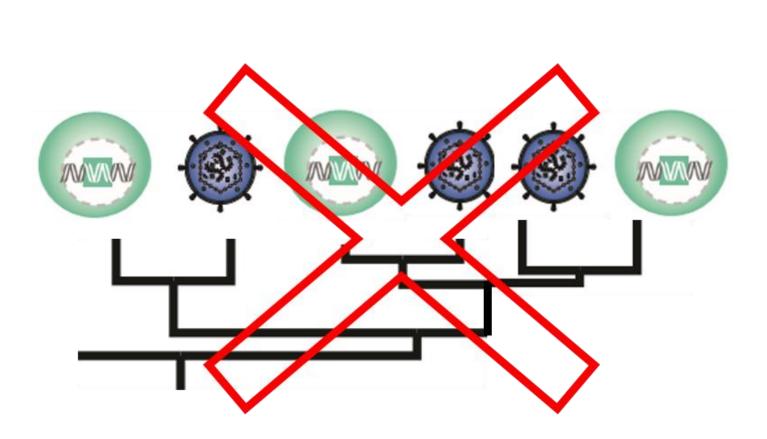




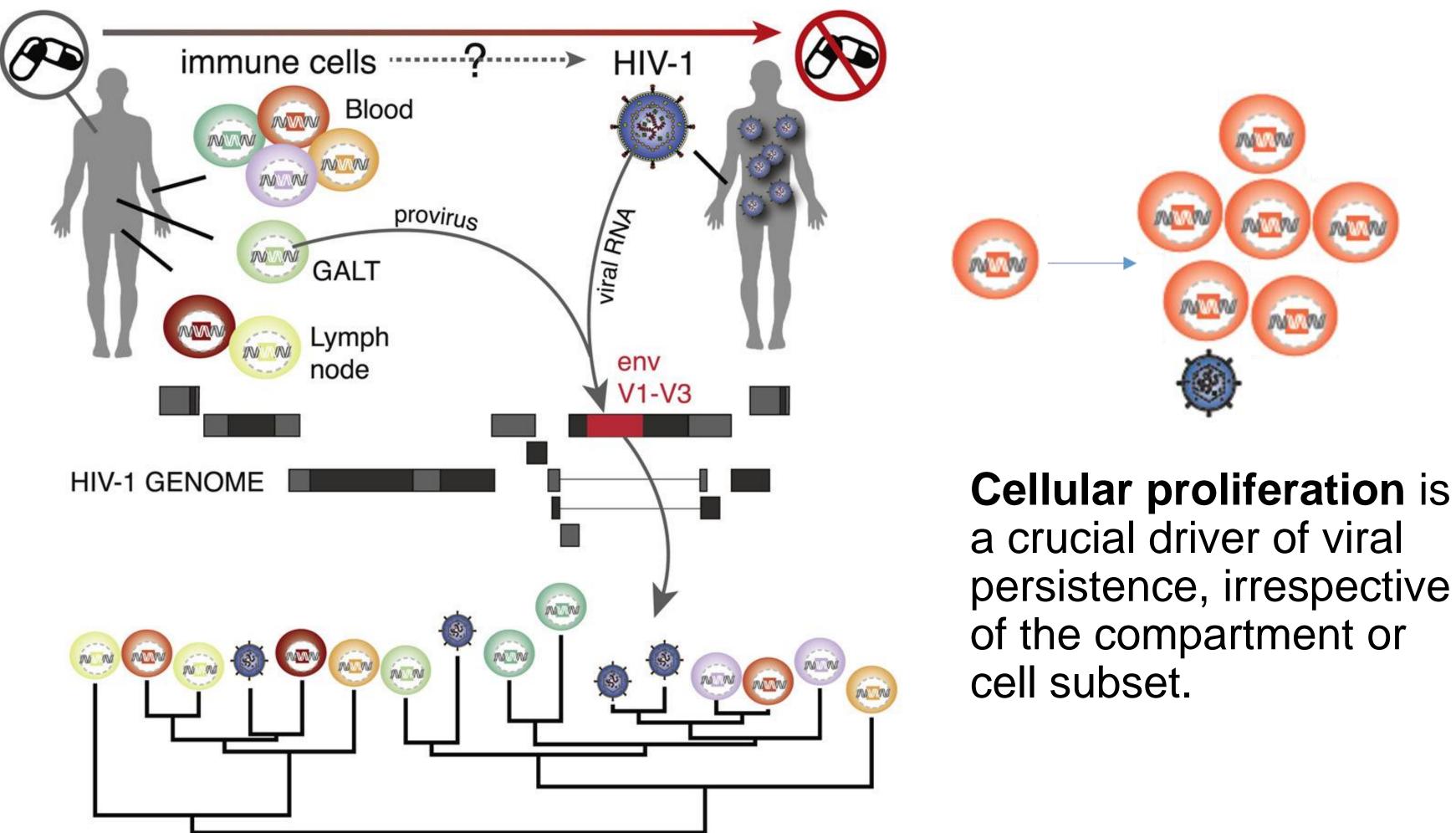


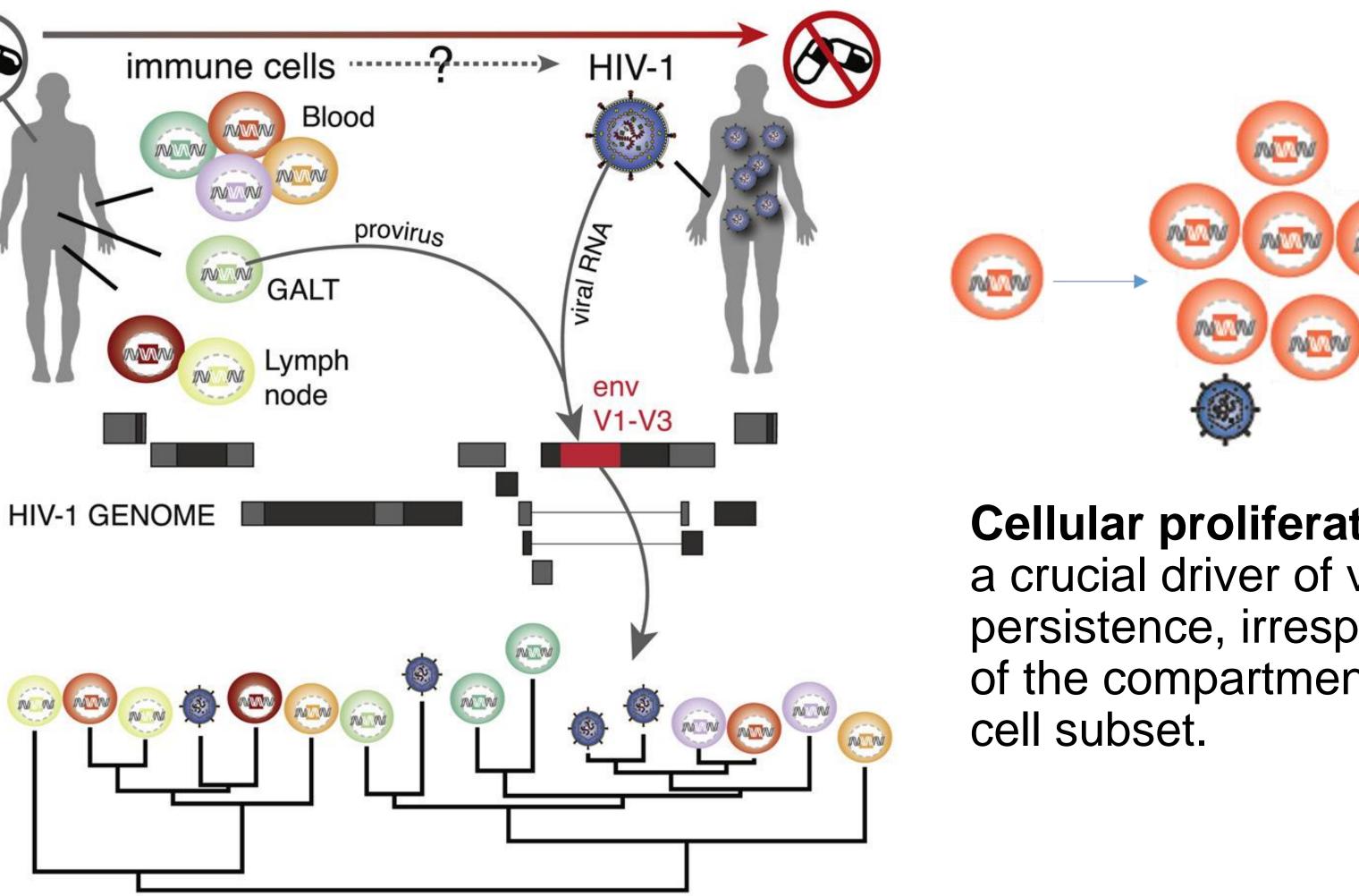
Where is the relevant HIV reservoir hiding? Which anatomical and cellular

compartments constitute a barrier to HIV cure?



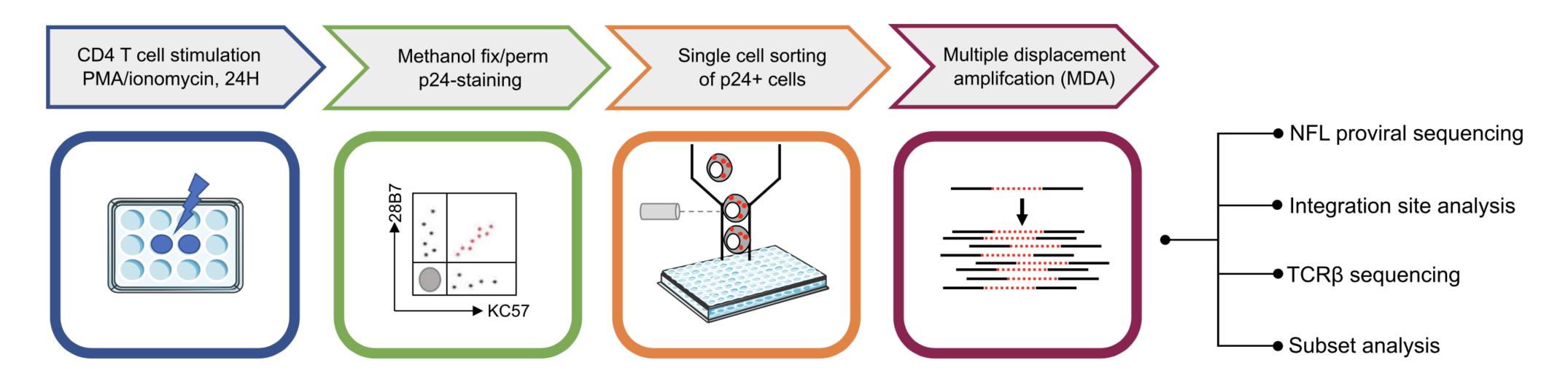
Rebound virus can originate from various cellular and anatomical compartments. The substantial interparticipant variability further supports that there is **no** prominent source of rebound virus.



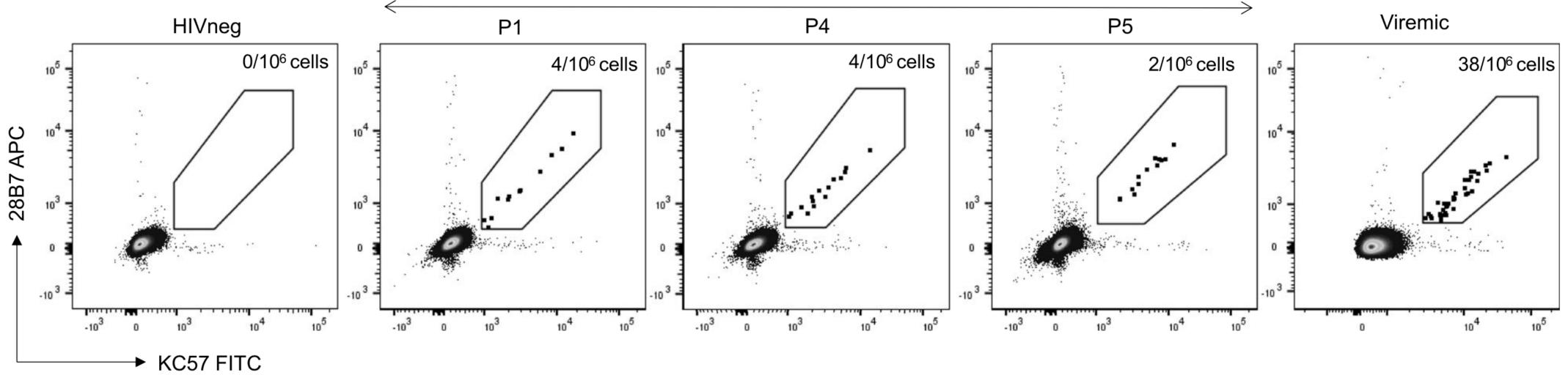




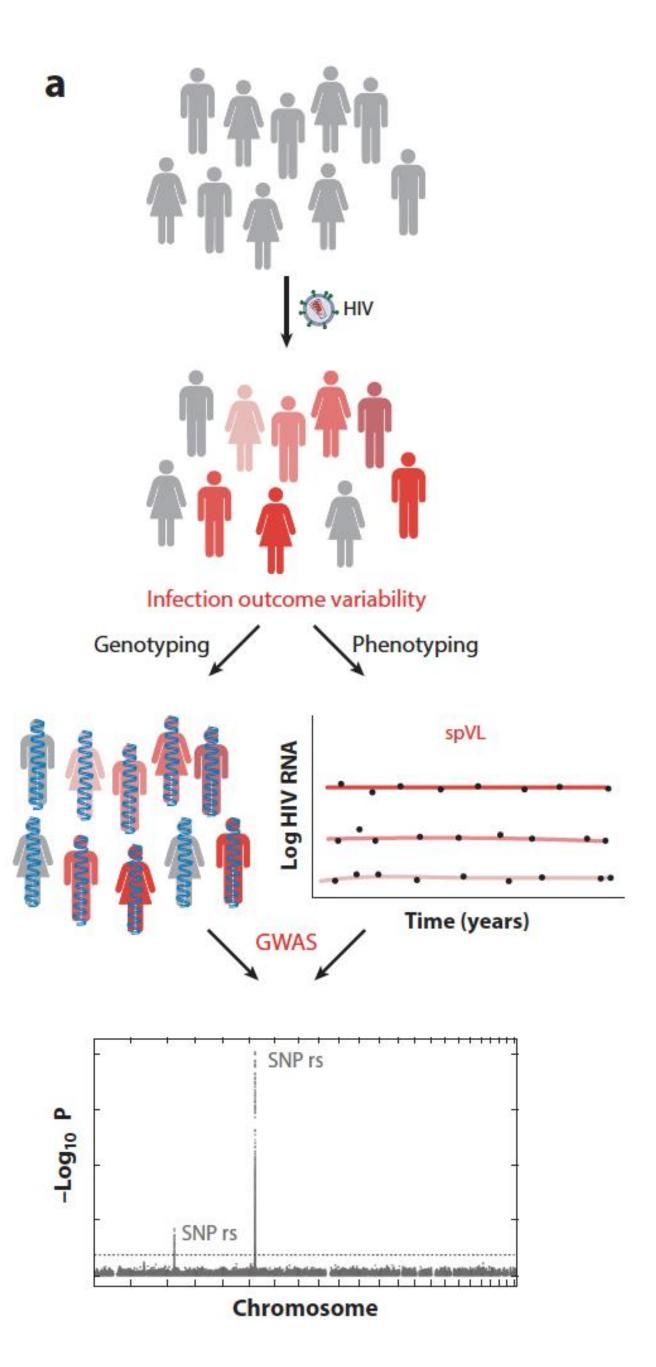
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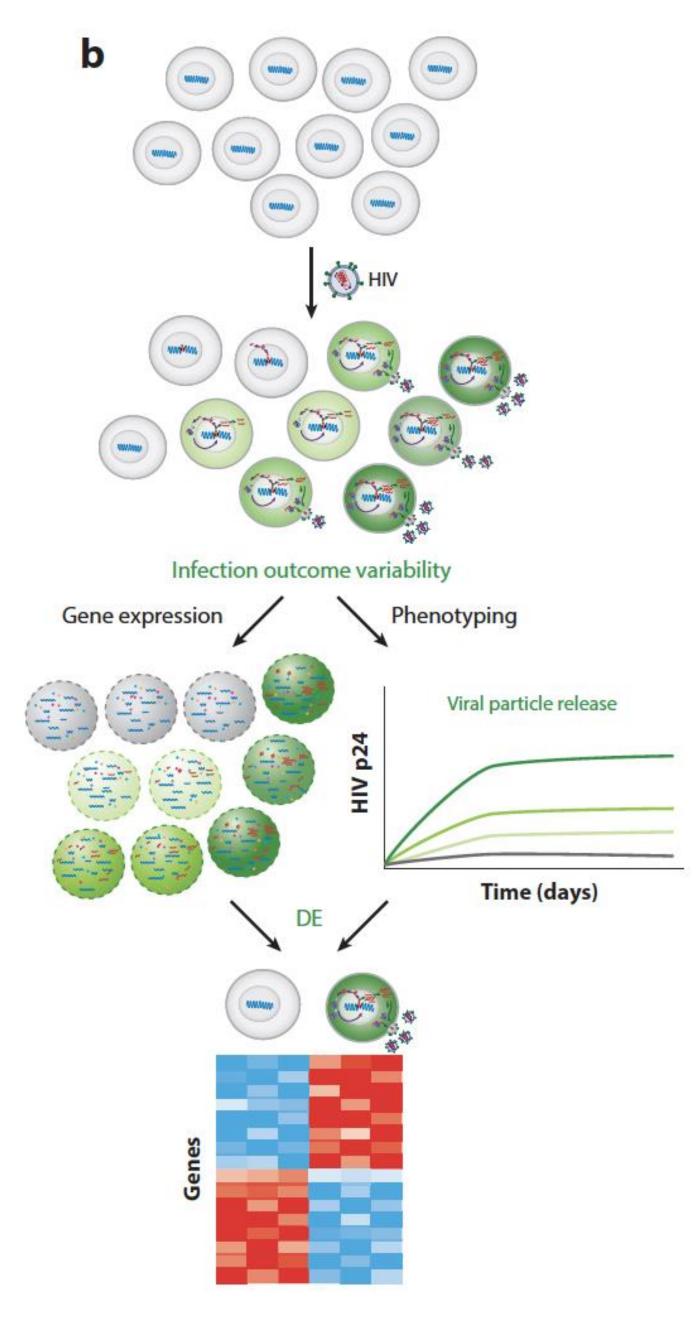


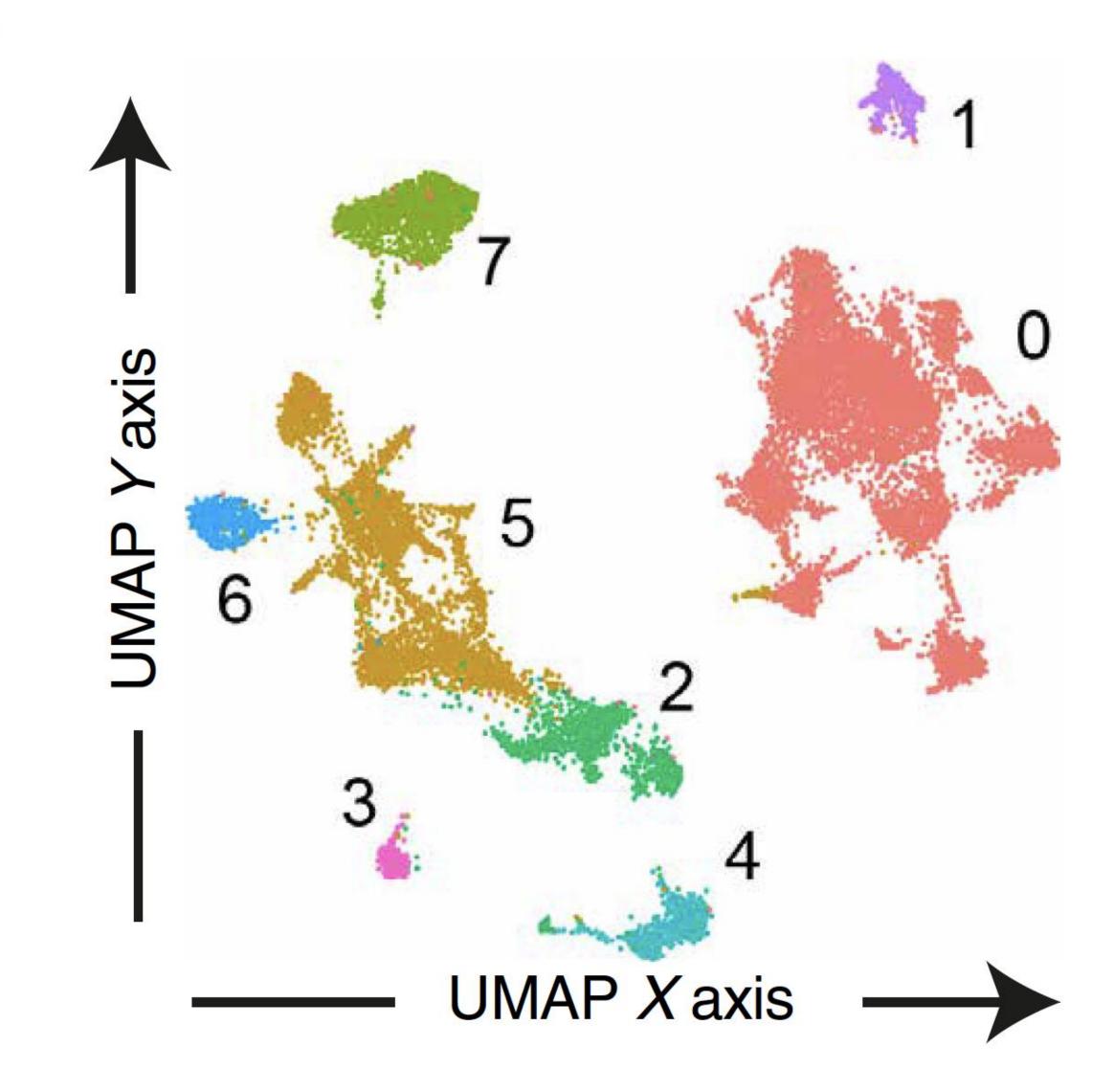
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ART-treated individuals







Deliverables

- Cytokine levels precisely determined by mesoscale in all STAR patients (N=11)
- CiTeSeq on PBMC's to unravel cellular pathways involved in latency disruption (N=16, 4 patients, 4 timepoints)
- CiTeSeq on CD4+ T cells to link viral infection to specific cellular pathways (N=16, 4 patients, 4 timepoints)
- CiTeSeq on HIV specific CD8+ T cells to link viral rebound to specific cellular pathways (N=16, 4 patients, 2 timepoints)

- Patients \bullet
- All people involved in setting up Citeseq
- Breach for the support!
- Sofie Rutsaert for initiating the analysis pipeline

Thank you