Propositions:

1. BAFi’s are a promising family of small molecules for inclusion, not alone, but in therapeutic combinations, aiming to reverse HIV-1 latency.
   - This thesis

2. There is remarkable correlation between the ability to induce Bmi1 transcription in ESCs and the ability to increase transcription of latent HIV-1 in a concentration-dependent manner.
   - This thesis

3. Although MMQO displays potential as a new class of bromodomain inhibitor, broader in vitro assays targeting the whole BET family should be carried out in order to evaluate its specificity toward their different bromodomains.
   - This thesis

4. Previously reported effects of GTX as immunosuppressant (via NF-κB inhibition), fungal virulence factor, ROS inducer, angiogenesis inhibitor at high concentrations should not overshadow its therapeutic potential at lower concentrations.
   - This thesis

5. As in HIV antiviral treatment, combinatorial therapeutic cocktails targeting different steps of viral gene expression will also likely be most effective to reverse the latent HIV reservoir.
   - This thesis

6. Optimized mosaic antigens offer the theoretical possibility of developing a global HIV-1 vaccine.
   - Barouch et al., “Evaluation of a mosaic HIV-1 vaccine in a multicentre, randomised, double-blind, placebo-controlled, phase 1/2a clinical trial (APPROACH) and in rhesus monkeys (NHP 13-19)”. The Lancet, (2018).

7. U=U (Undetectable equals untransmittable).
   - UNAIDS

8. “(...) social media is a promising approach to engage individuals in a dynamic discourse about HIV prevention and treatment, and may allow diverse groups to collaborate on strategies to address the epidemic.”

9. The consistent observation that HIV-infected persons have a higher than expected risk for a number of conditions commonly associated with aging has led to the widespread assumption that HIV accelerates the aging process.

10. Estimated Per-Act Probability of Acquiring HIV from an Infected Source: Needle-Sharing 1/159; Receptive Anal Intercourse 1/73; Receptive Penile-Vaginal Intercourse 1/1250.
    - Centers for disease Control and Prevention (USA)
    - Odds of dying: Heart disease 1/6; car crash: 1/103; gun assault 1/285
    - The National Safety Council (USA)

11. You know that we are living in a material world. And I am a material girl.
    - Madonna, Material girl