

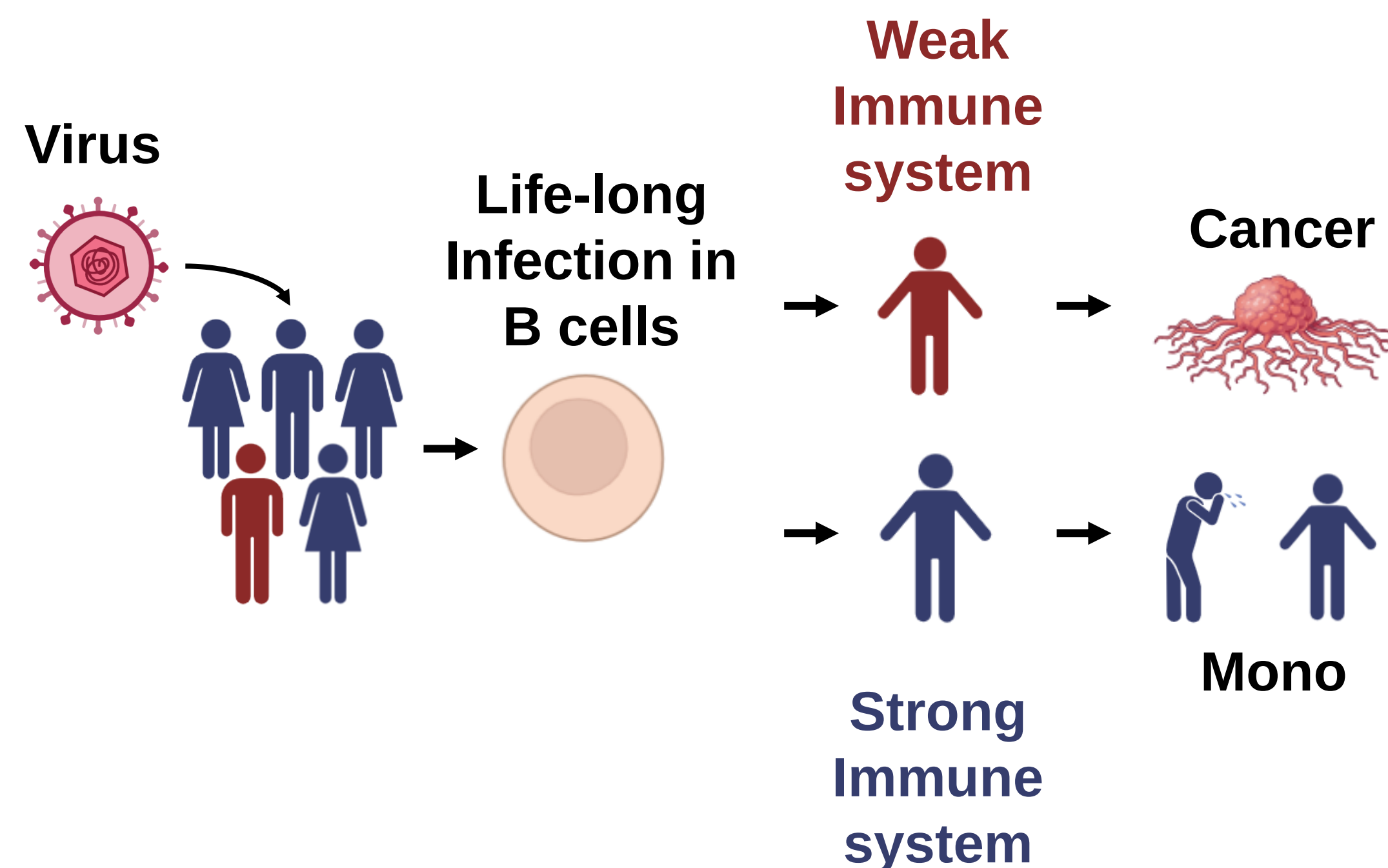
# Model System to Advance Treatments for Virus-Associated Cancers

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## Why study Gammaherpesviruses?

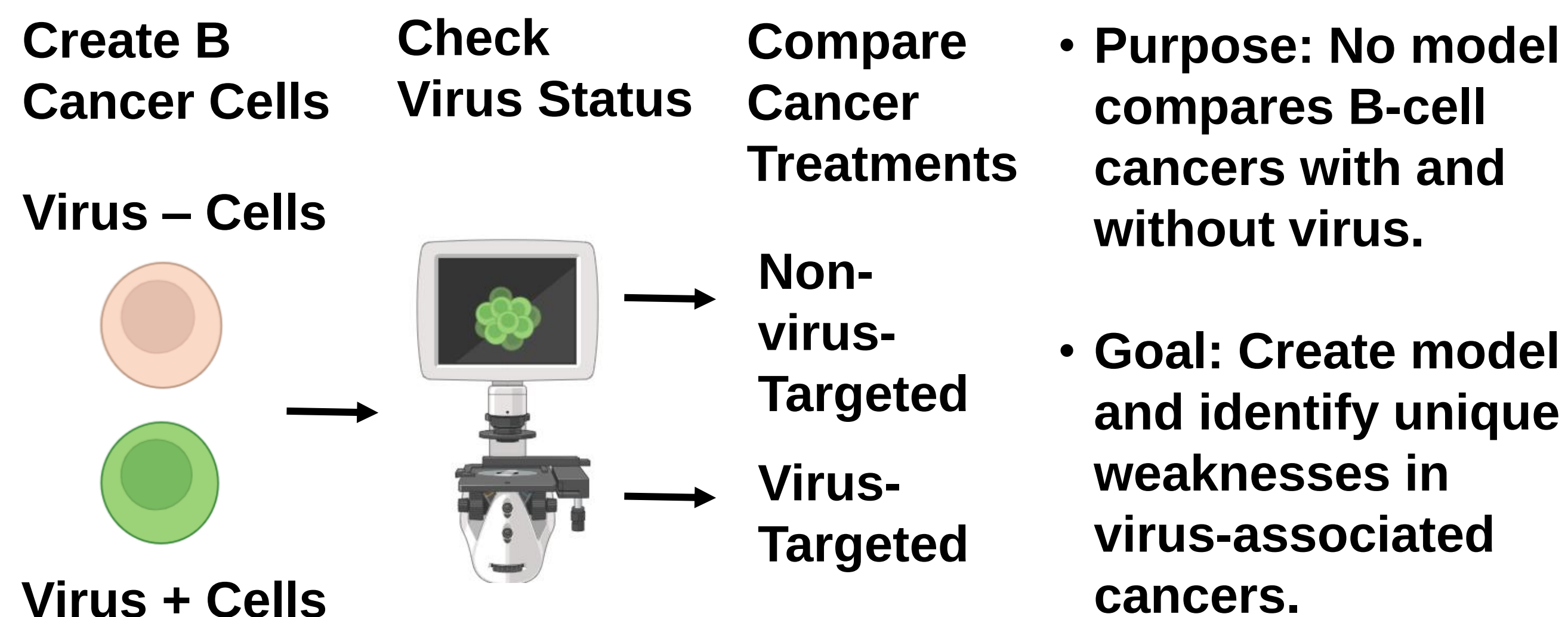
- Gammaherpesviruses infect ~95% of the world's population.

### Including All of You!

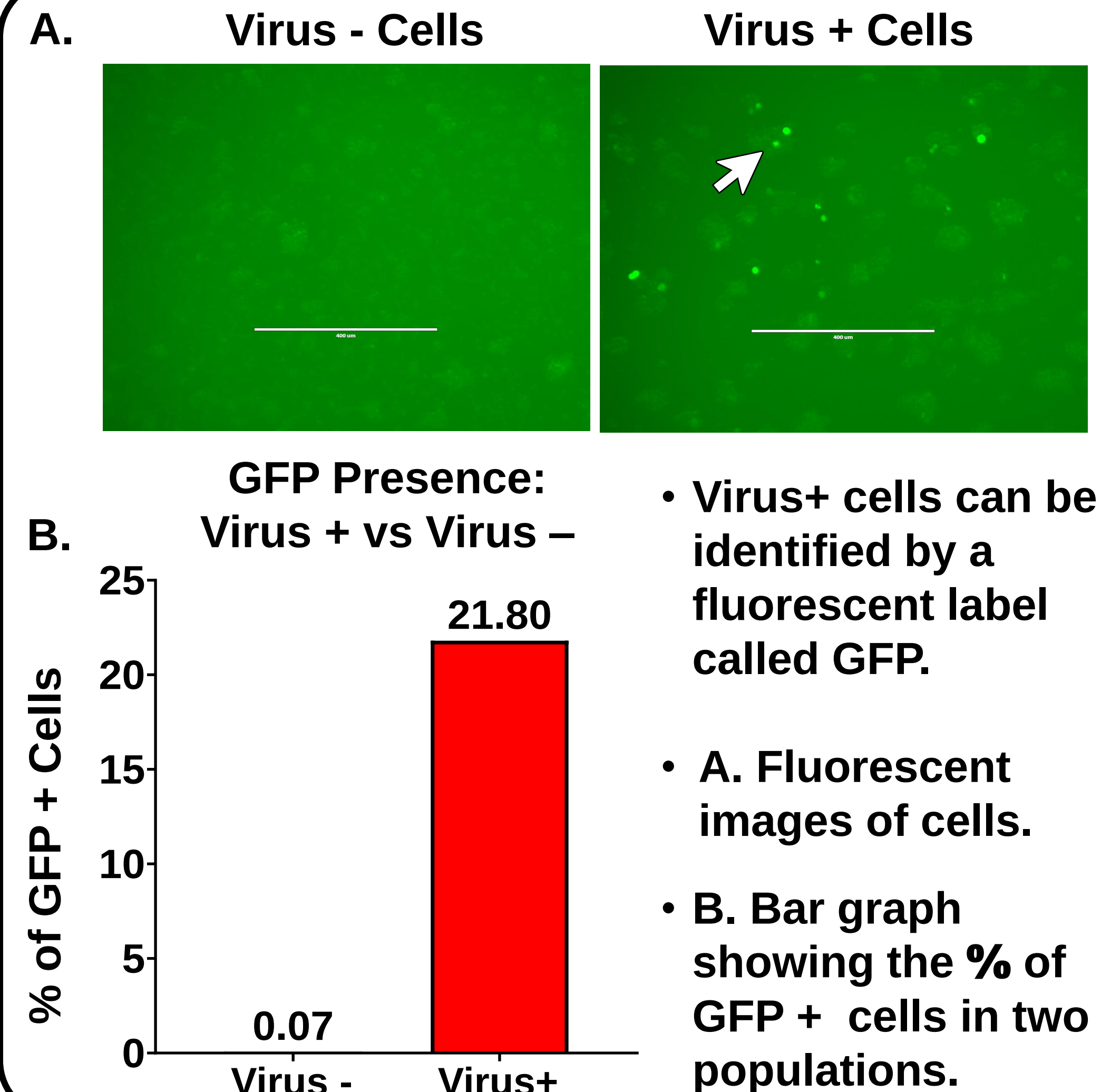


- These viruses stay in the body for life and hide in immune cells called B cells.
- In people with weakened immune systems, these viruses can cause B-cell cancers called Lymphomas

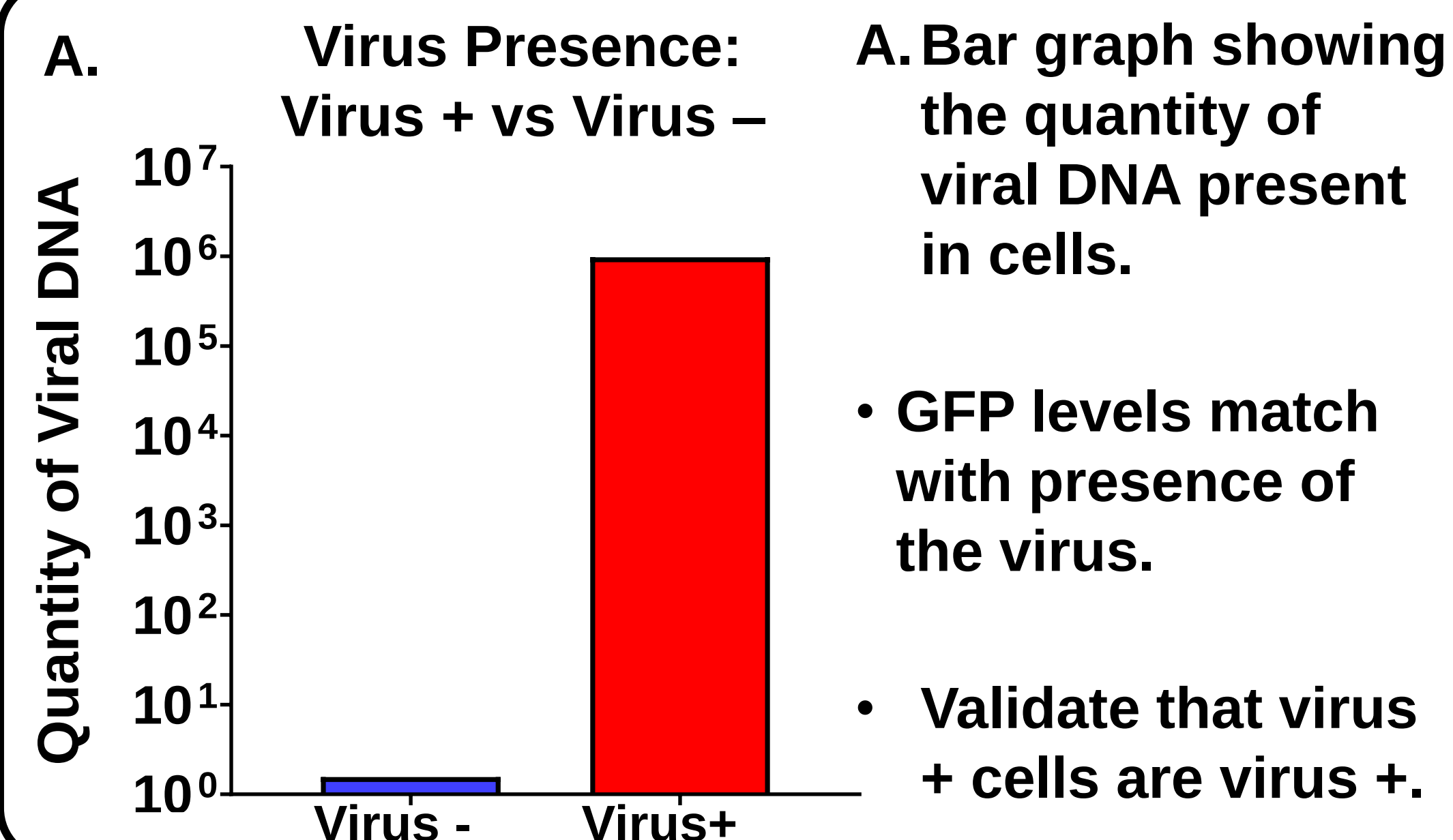
## Goals and Purpose: Create a Cancer Model



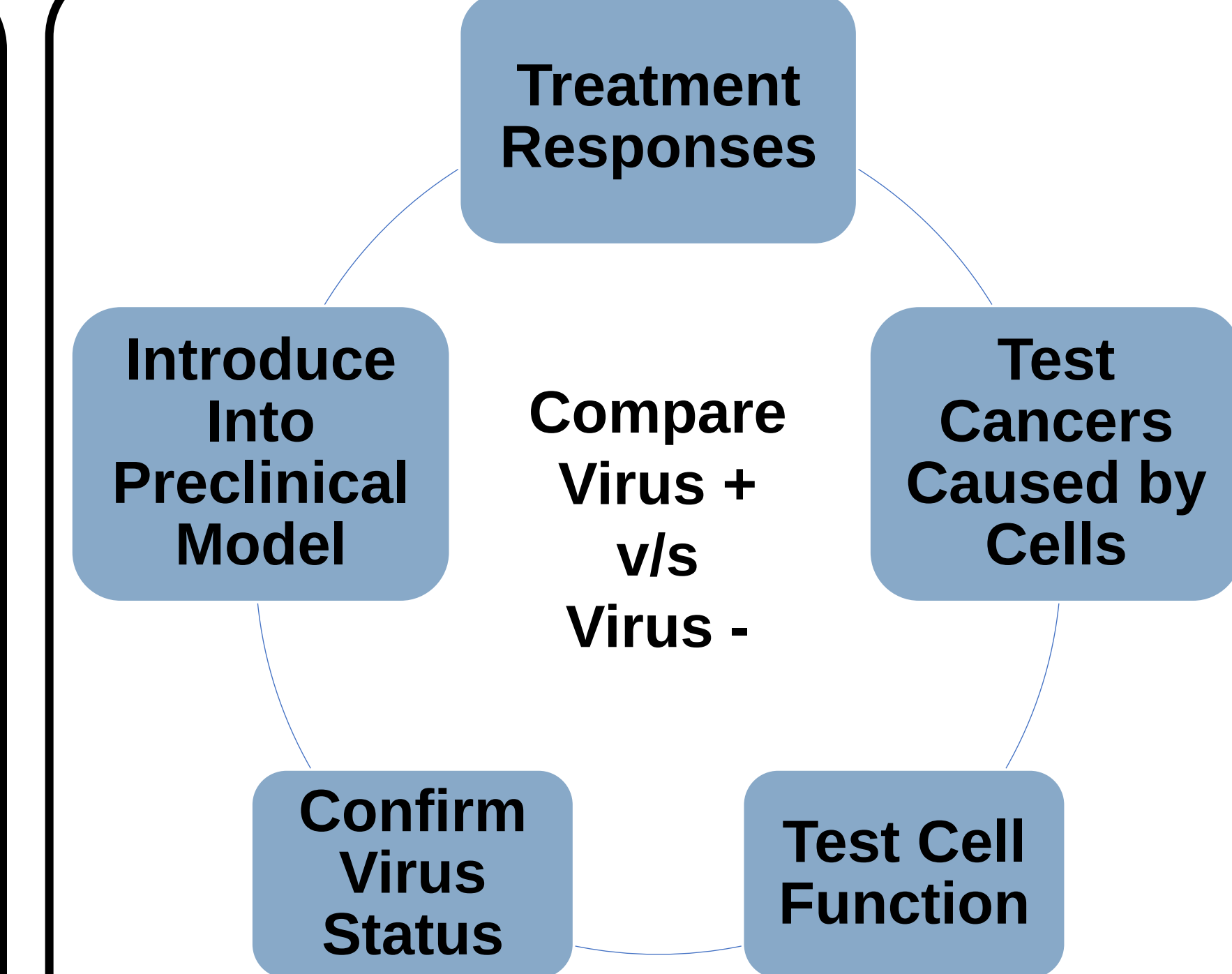
## Early steps: Check Virus Marker



## Model Validation: Virus Status



## Next Steps and Summary



### Summary

- Gammaherpesviruses infect 95% of people (likely you, too! 🍌).
- They hide for life in B cells. In people with weakened immunity, this can lead to cancers like lymphomas.
- We created a model to compare B-cell cancers with and without viruses.
- Our findings could lead to anti-cancer treatments that target virus + cells while sparing virus - cells.

### Acknowledgments

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