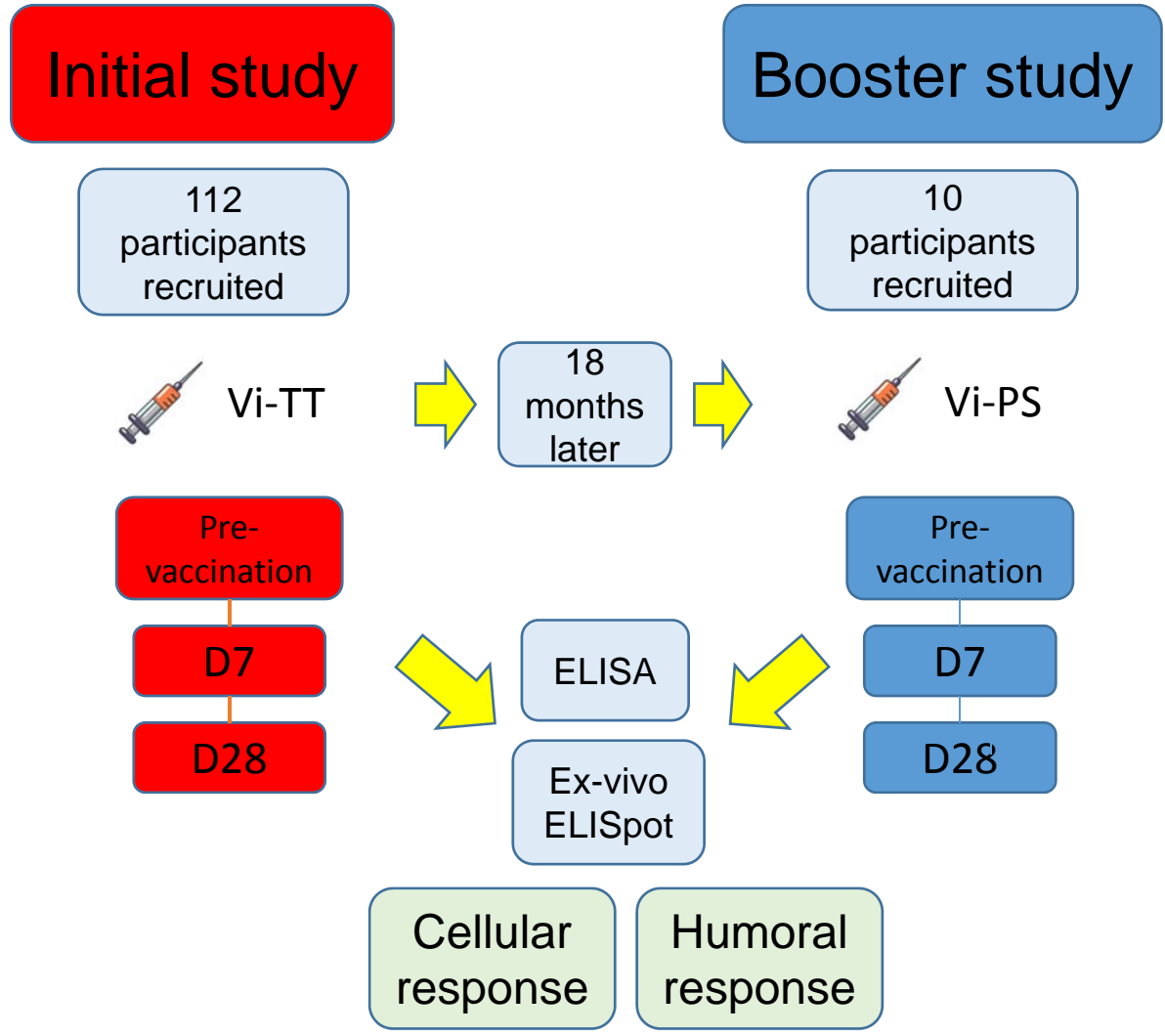


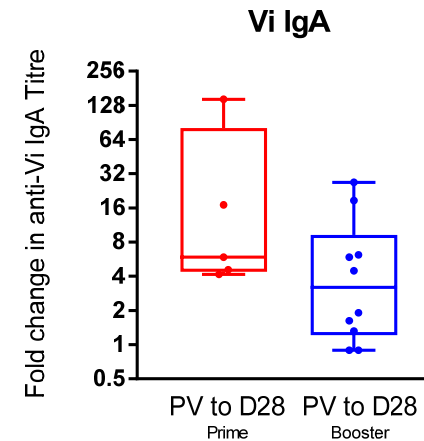
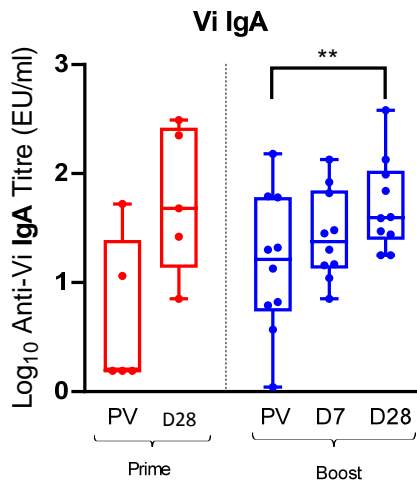
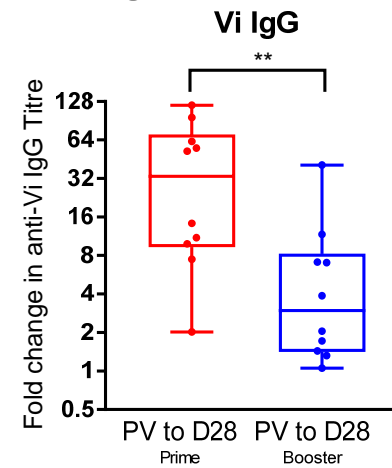
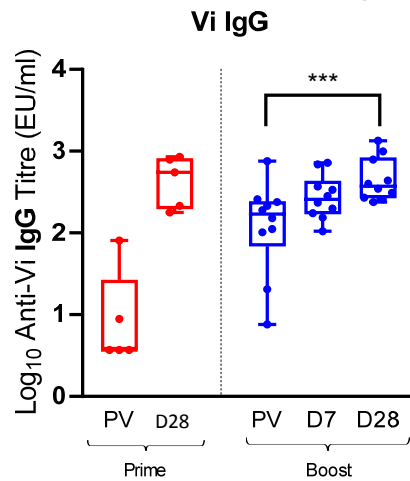


Assessment of Humoral and Cellular Responses to Vi Polysaccharide Vaccine as a Booster after Vi Conjugate Prime

Thomas Bentley
Medical student

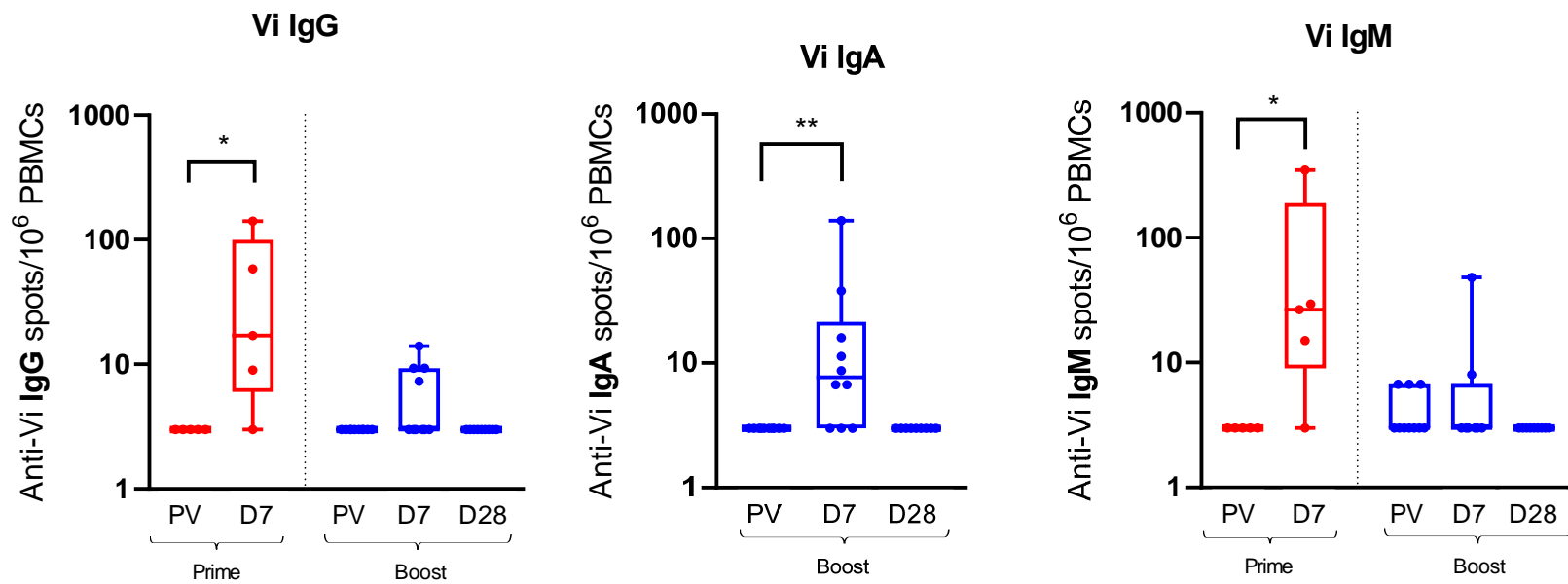


Booster Vi-PS vaccination induced a significant increase in Vi IgG and Vi IgA antibody titre by D28



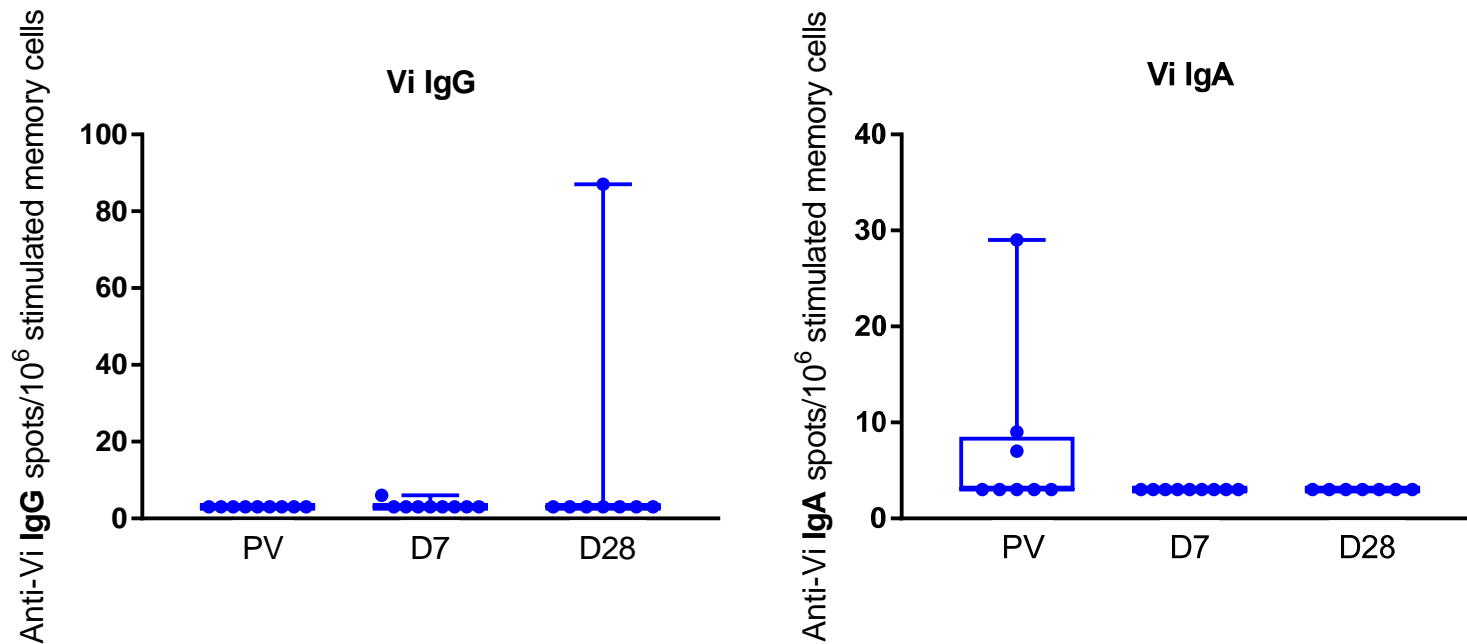


Vi-PS booster vaccination initiates a Vi IgA ASC response but is not observed to prompt a response for Vi IgG or IgM ASCs





Vi-PS booster vaccination is not observed to stimulate a memory response





Summary

- We saw significant increases in Vi-IgG and IgA antibody titre one month post-boost and IgA ASCs one week post-boost
- After polysaccharide boost Vi-antibody titres returned to similar levels observed after prime vaccination
- The typhoid conjugate vaccine is a new vaccine in the early stages of field implementation
- This project helps characterise the effect of boosting with an existing vaccine in individuals that have been primed with the conjugate



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