Development of an interleukin-4-inducing principle from *Schistosoma mansoni* eggs (IPSE)-specific PCR assay as a quantitative predictor of schistosomiasisassociated morbidity

Dannah Farah³, Evaristus Mbanefo¹, Michael Hsieh^{1,2}

¹Bladder Immunology Group, Biomedical Research Institute, Rockville, Maryland, USA ²Division of Urology, Children's National Medical Center, Washington, DC, USA ³School of Medicine and Health Sciences, George Washington University, Washington, DC, USA





For S. mansoni, we have established a strong positive correlation between

- IPSE gene expression levels in stool and urine of schistosome-infected
- Correlate these IPSE-related parameters to measures of host morbidity





Correlation analysis



