

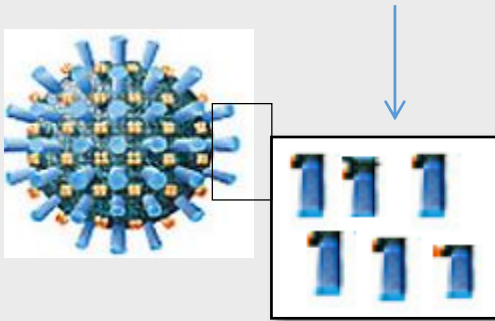


Ebenezer Tumban

## Research / Scholarship

### Major category 1

Enhance immunogenicity of Peptide vaccines

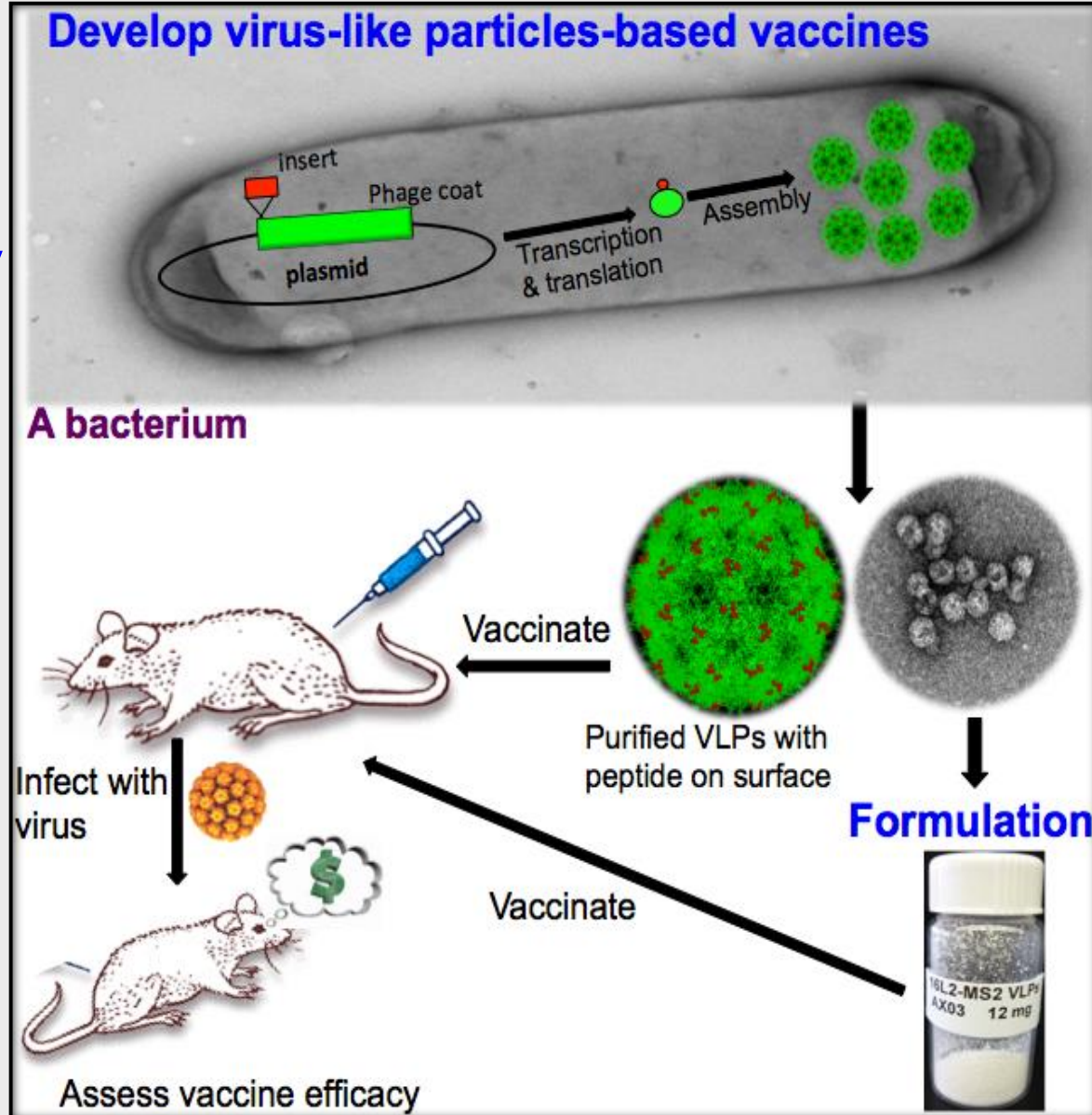


- Safe but **less immunogenic**

### Major category 2

Vaccine formulation

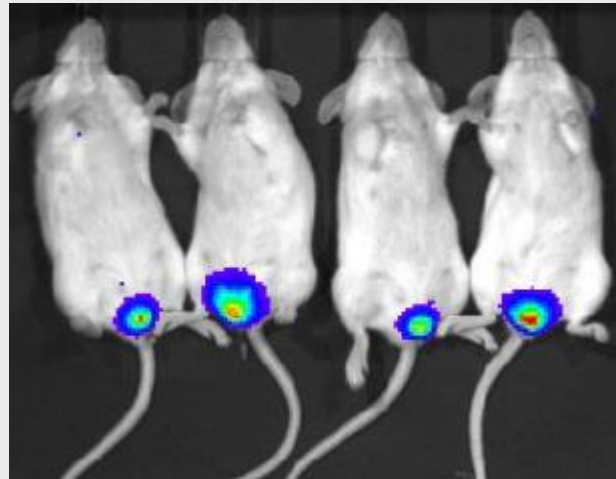
## Develop virus-like particles-based vaccines



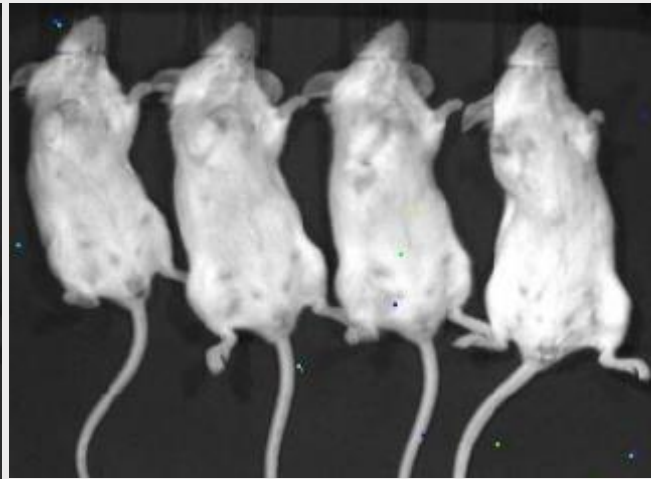
## Scholarly Contributions:

- Virus-like particles (VLPs) displaying human papillomavirus (HPV) peptides protect against vaginal HPV infections

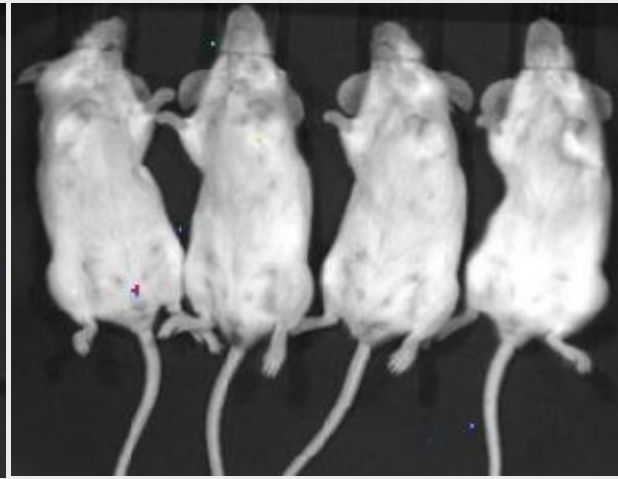
Zhai et al., *Antiviral Research*, 2017



Immunized with **control VLPs**



Immunized with **VLPs displaying HPV peptides**



Immunized with **Gardasil-9 vaccine**