



# VRC- AFRIGEN RESEARCH COLLABORATION

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## Vaccine Research Center (VRC, NIAID)





Date and Betty Bumpers VACCINE RESEARCH CENTER National Institute of Allergy and Infectious Diseases National Institutes of Health Department of Health and Human Services



National Institute of Allergy and Infectious Diseases

- Founded: HIV Vaccine
- Ebola/Marburg
- Influenza
- Respiratory Syncytial Virus
- Chikungunya virus
- Equine encephalitis viruses
- SARS-CoV2, MERS-CoV, SARS
- Tuberculosis
- Malaria
- West Nile virus, Zika

**Basic Research** -



### **VRC Organization**

Leadership, Basic Research, Office of Regulatory Science – NIH Campus



Clinical Trials Program, NIH Campus









Vaccine Production Program (VPP) Process/Analytical Development

Vaccine Immunology Program (VIP) Clinical Assays

Gaithersburg, MD

Vaccine Clinical Materials Program – Frederick, MD

#### **VRC: Discovery, Development, & Clinical Evaluation**



## **VRC Investigational Product Capabilities**



### **Industry Partnerships**

Research collaborations increase out-licensing activity





### **In Conclusion**

- VRC has long history of research collaborations
- Collaborating with industry partners early in the research process improves product-related outcomes
  - Significant rise in commercial development licenses
  - Four US FDA approved products with VRC technology
- Afrigen is the VRC's first South African industry partner