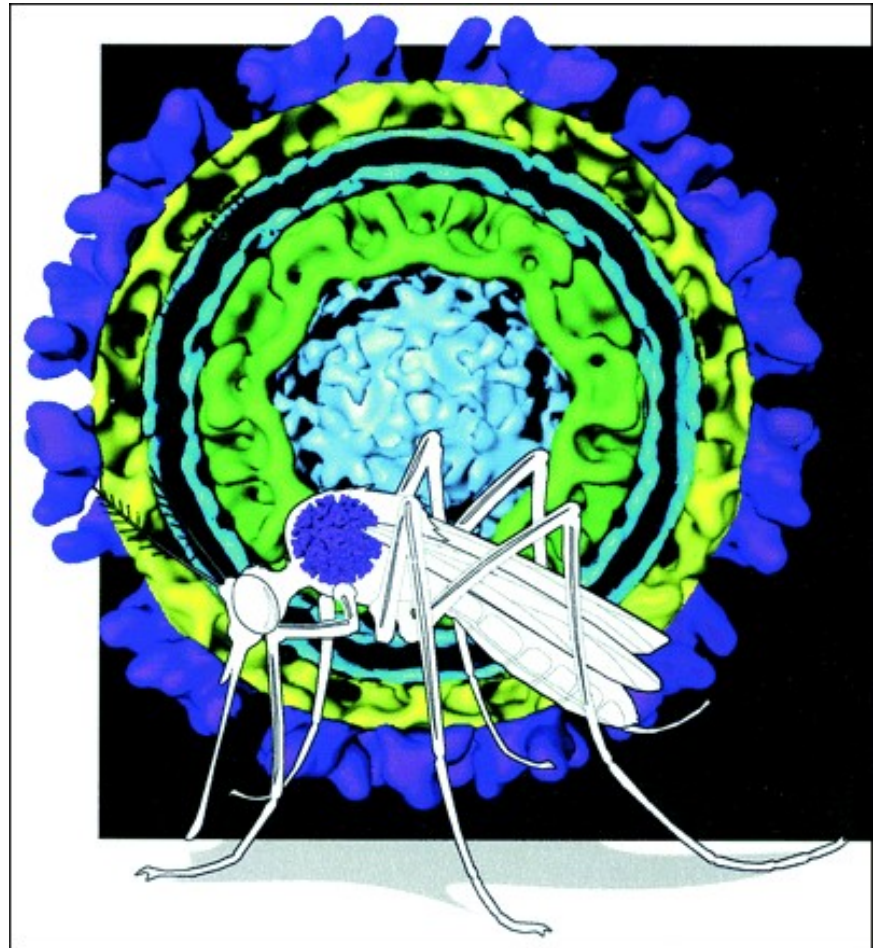


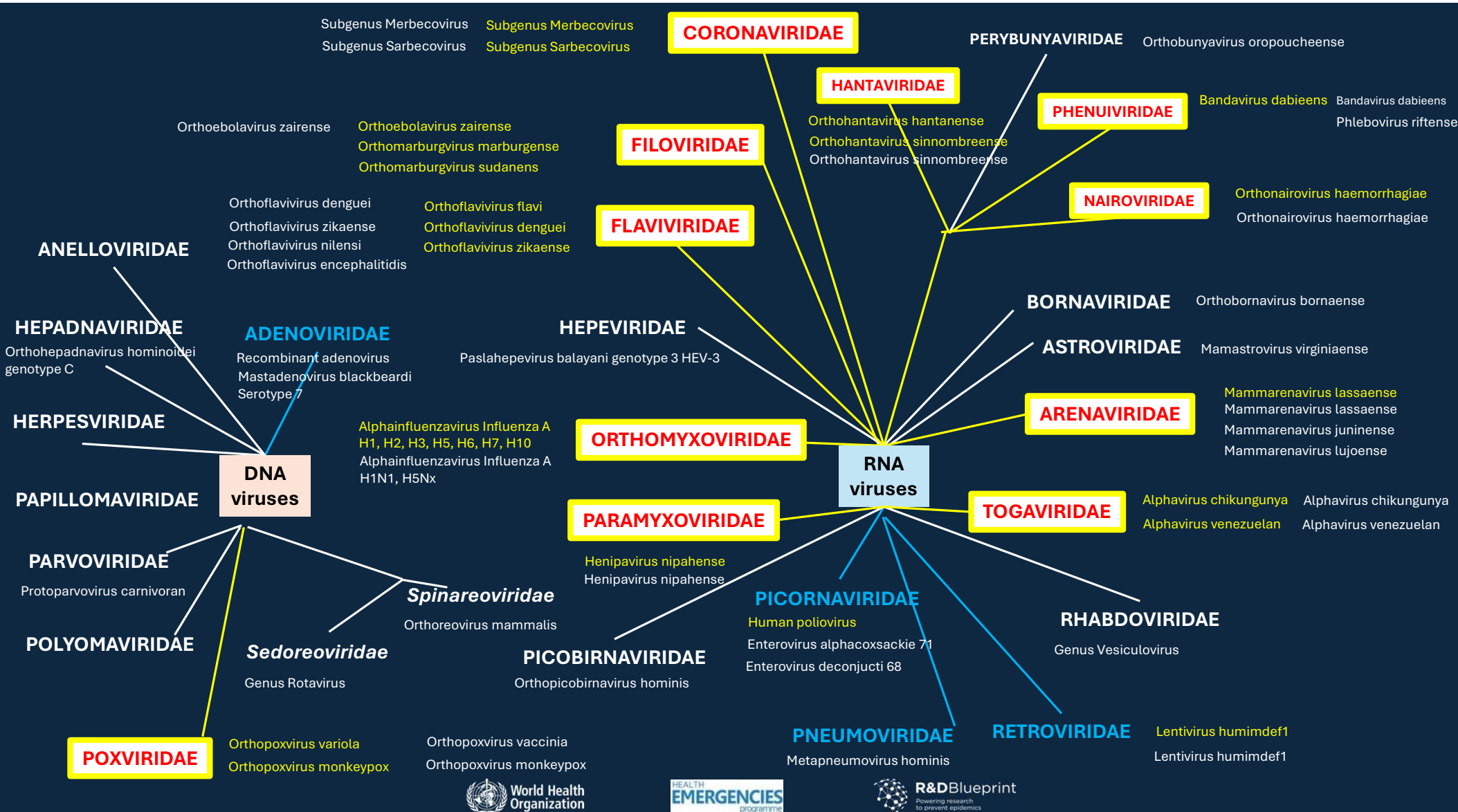
Naomi Forrester-Soto

8<sup>th</sup> April 2025

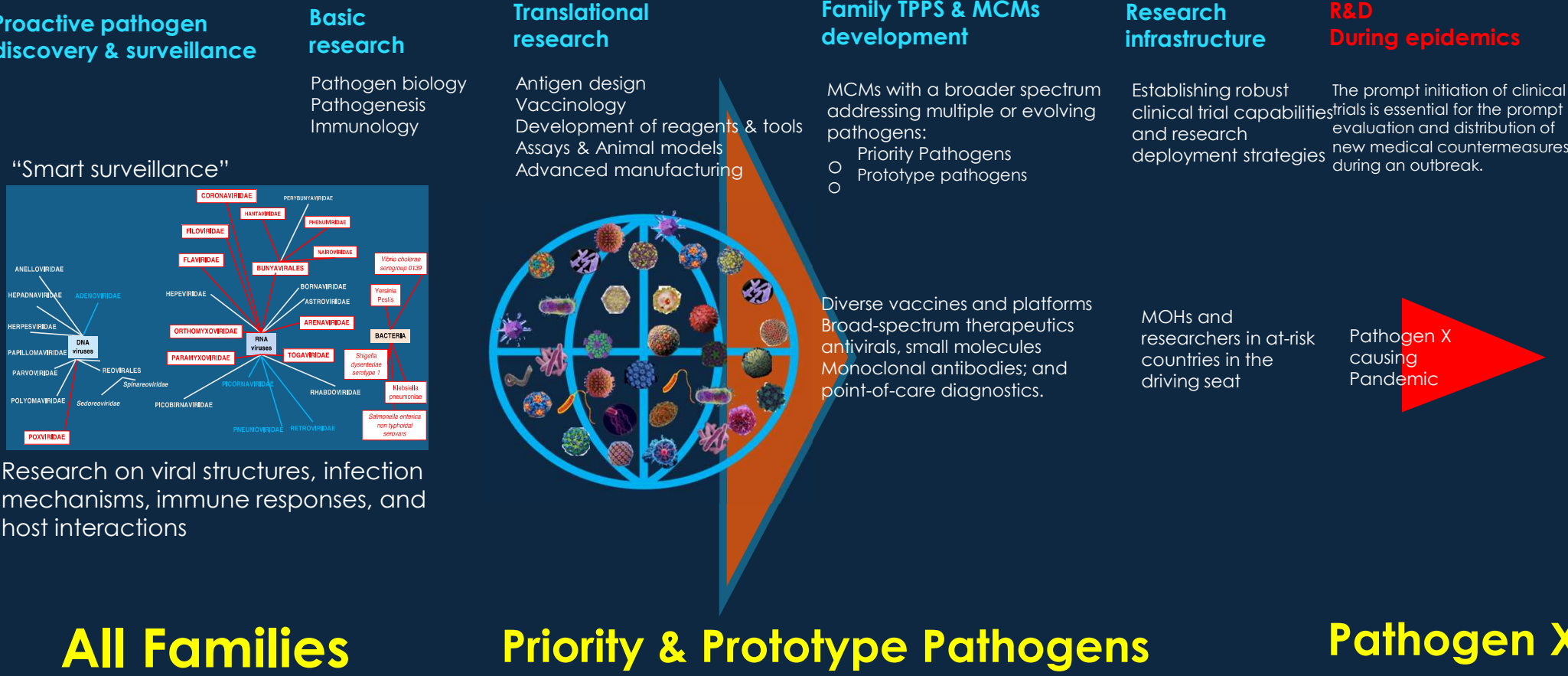
# Togavirus PAC outcomes



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# A scientific approach for pandemic research preparedness



[https://cdn.who.int/media/docs/default-source/consultation-rdb/who-report-scientific-approach-pandemic-preparedness.pdf?sfvrsn=1f209cb3\\_4](https://cdn.who.int/media/docs/default-source/consultation-rdb/who-report-scientific-approach-pandemic-preparedness.pdf?sfvrsn=1f209cb3_4)

# In summary

By expanding research efforts for all viral and bacterial Families' using the CORCs'...

**...research advances in a decentralized & collaborative way.**

By developing Global R&D Roadmaps for each Family using an open and transparent approach...

**... knowledge gaps are addressed in a way that contributes to equity in access to knowledge and innovations**

By continuing to collaborate in evaluation of MCMs integrated in outbreak response, led by Ministries of Health and national research teams,....

**... equity in access to MCMs, and trust from communities are strengthened.**



# Togavirus team “at a glance”

5 independent experts  
from 4 countries  
Panama, South Africa, UK, USA)

80% from LMIC  
20% men

32 species  
considered

7  
viruses screened

2  
viruses  
shortlisted as  
L1 (PHEIC Risk)

Togaviridae is recommended  
as a priority viral family with  
Chikungunya and VEE both  
recommended as the  
prototype pathogens

## Members

First Name	Last Name	Title and Affiliation
Naomi	Forrester (Chair)	Reader in Vector Ecology, Pirbright Institute, United Kingdom.
Sandra	López Vergès	Ph.D., Senior Health Researcher, Chief of the Dept. of Research in Virology and Biotechnology, Gorgas Memorial Research Institute for Health Studies, Panama.
Felicity	Burt	PhD, Acting Head of Division of Virology, Professor/ Medical Scientist, Research Pathogen Laboratory, South African Research, Chair (SARCHI): Vector borne and zoonotic pathogens research, Faculty of Health Sciences at the University of the Free State (UFS) and National Health Laboratory Services (NHLS), South Africa.
Tem	Morrison	PhD, Professor of Immunology & Microbiology, University of Colorado Anschutz School of Medicine, United States of America.
Kylene	Kehn-Hall	MS, PhD, Professor Virology, Department of Biomedical Sciences and Pathobiology, VA-MD College of Veterinary Medicine, United States of America.

## Expertise represented

Alphaviruses, Virology, Immunology, Old World Alphaviruses, Host-Pathogen interactions, Pathogenesis, Antiviral Development



## Pre-Screening

- A rapid review of ICTV list (2022) was conducted which identified 32 species and 35 virus from the Alphaviruses genus.
- These were reviewed to identify those with the greatest potential to cause an epidemic or pandemic (PHEIC)
- Following the review and group discussion, the team agreed on 7 viruses to prioritize for screening

### Agreed Pre-Screening List

1. Chikungunya virus
2. Eastern equine encephalitis virus
3. Madariaga virus
4. Mayaro virus
5. Onyong-nyong virus
6. Ross River virus
7. Venezuelan equine encephalitis virus

## Recommendations for the PAC

1. **Togaviridae is considered by the group as an important viral family containing several viruses of epidemic and pandemic concern.**
2. **Following the scientific screening and post screening reviews, the group recommends:**
  - **List 1 (PHEIC Risk)** = **Chikungunya + Venezuelan Equine Encephalitis** (2 pathogens)
  - **List 2 (Pathogen X)** = **Eastern Equine + Madariaga + Mayaro + Ross river**(4 pathogens)
  - **List 3 (Cause for Concern)** = **Onyong-nyong virus** (1 pathogens)
3. **Chikungunya and Venezuelan Equine Encephalitis are both recommended as prototype pathogens**
4. **Recent development of CHIKV vaccine can help develop vaccines for other key alphaviruses**
5. **VEEV and EEEV are agents of concern as they have the capability of being transmitted as an aerosol**
6. **Going forward, priorities are :**
  - **Monitoring of the effectiveness of the CHIKV vaccine**
  - **Resources to develop other key alphavirus vaccines**