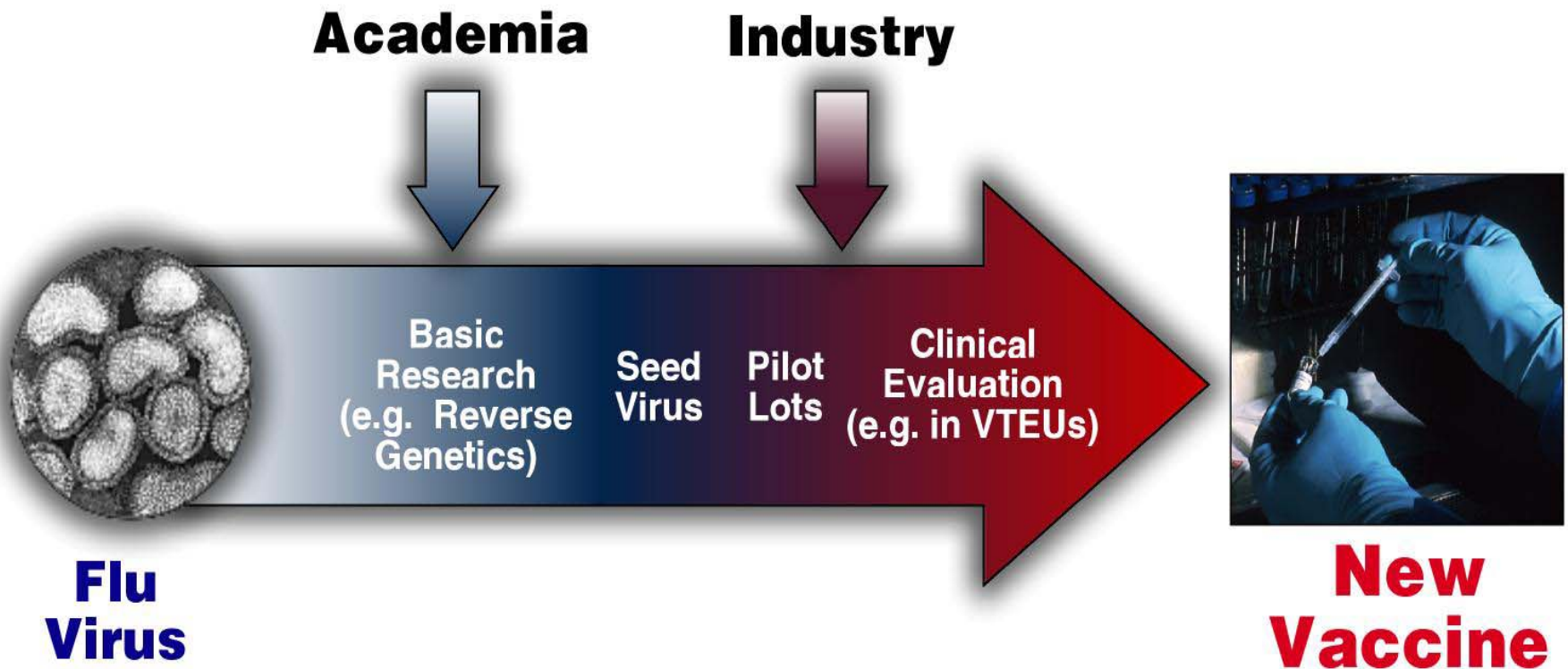
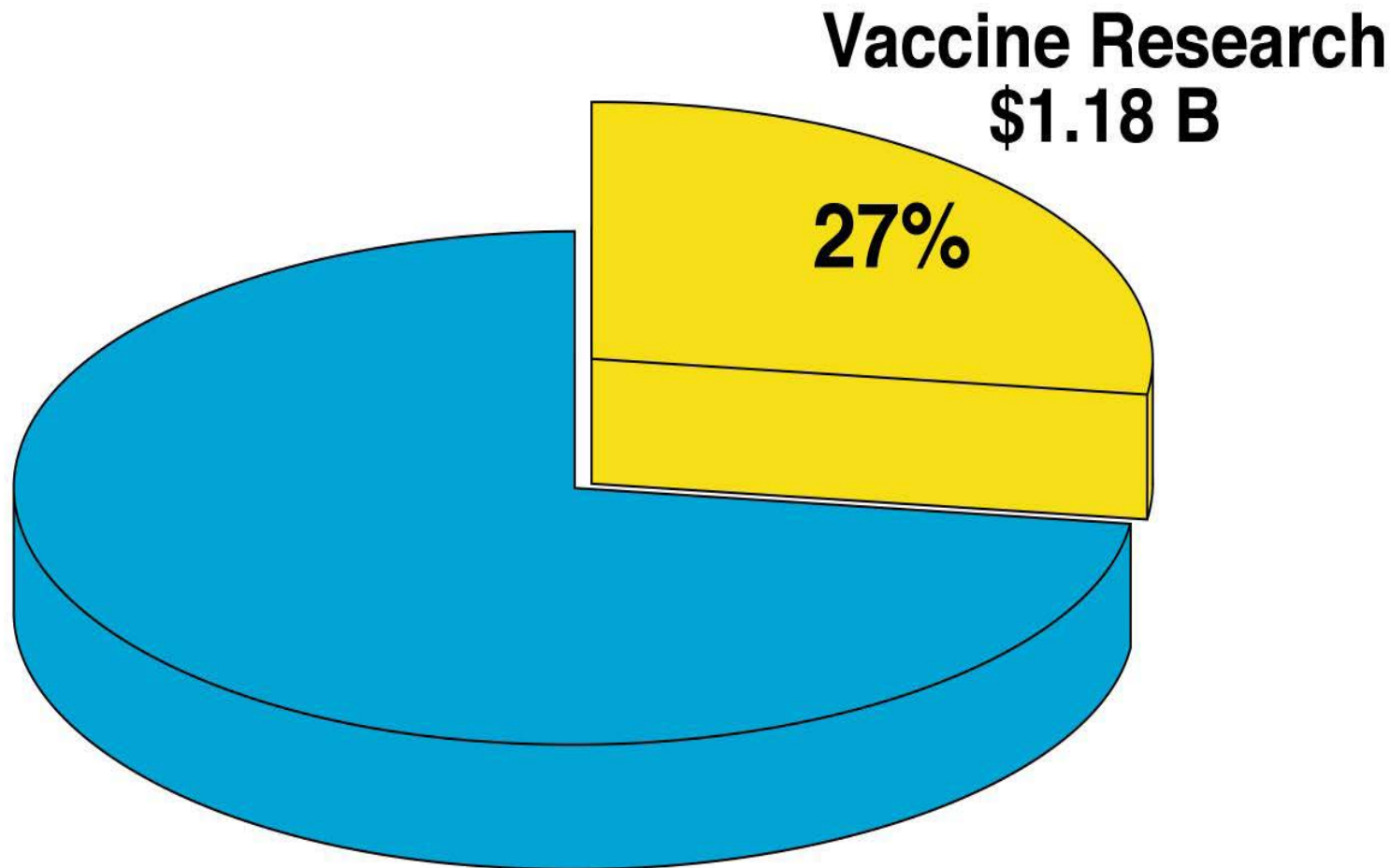


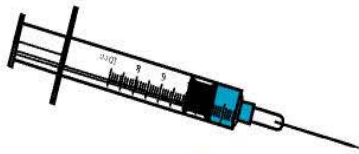
NIH Role in Influenza Vaccine Development



NIAID FY 2004 Budget



FY 2004 NIAID Budget
\$4.30 B



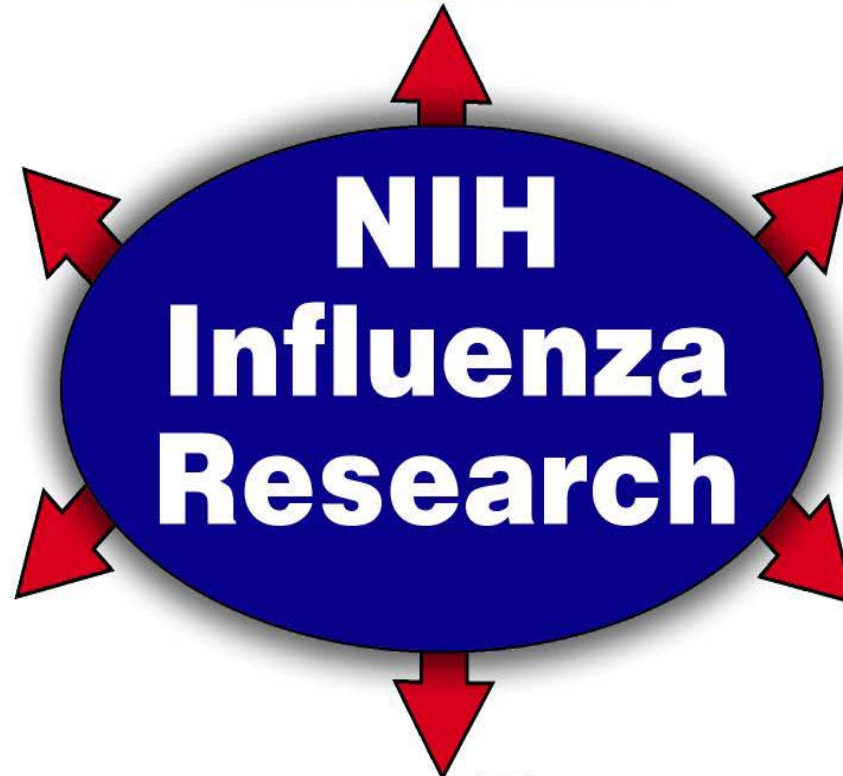
Vaccines



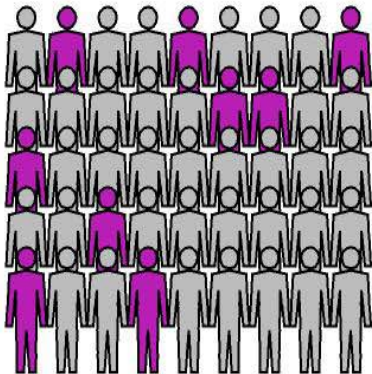
Therapeutics



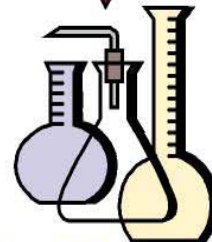
Diagnostics



**NIH
Influenza
Research**



**Surveillance
and
Epidemiology**

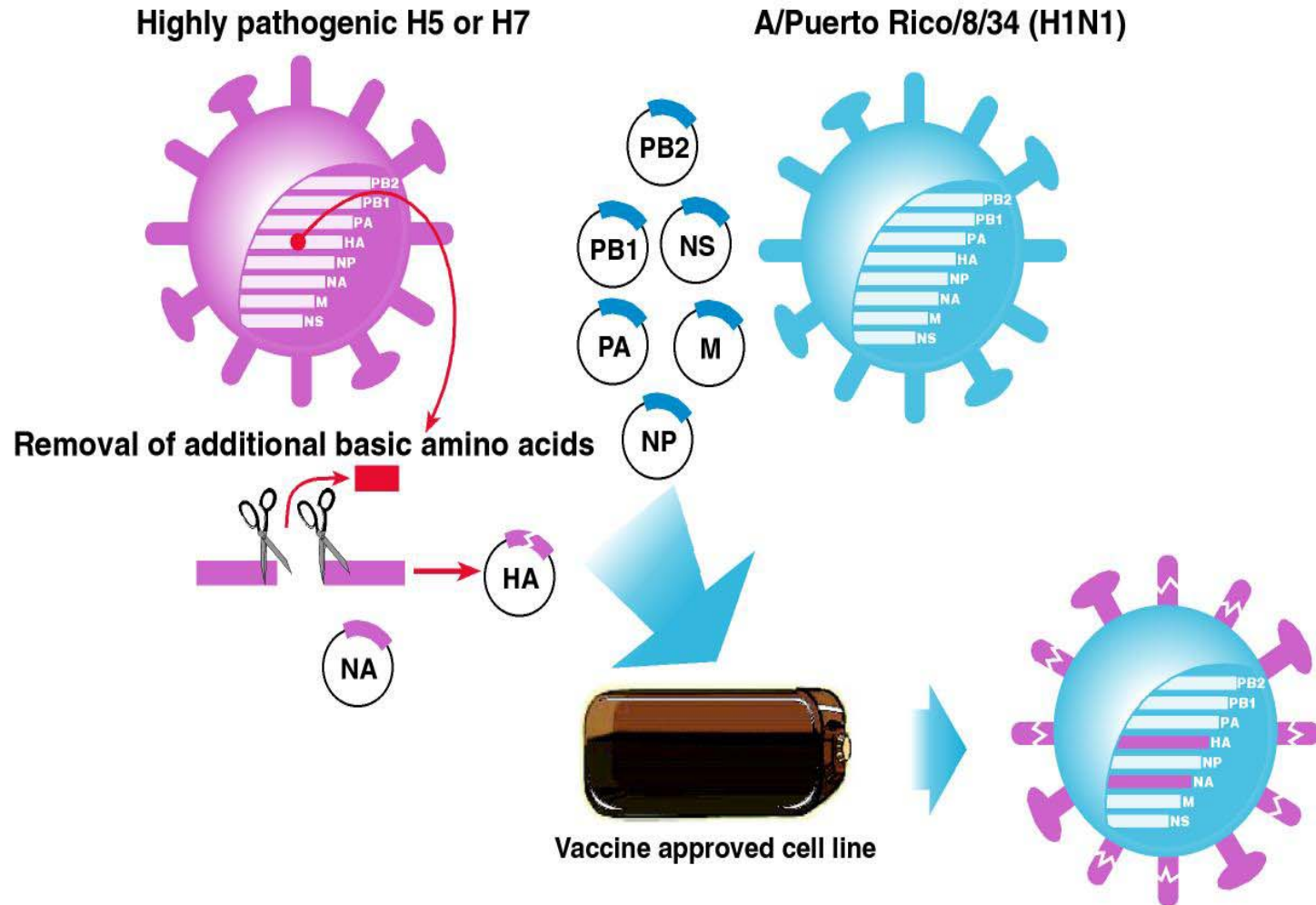


Basic Research



**Expansion of
Research
Capacity**

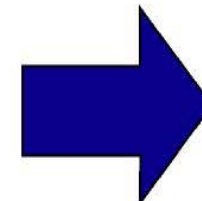
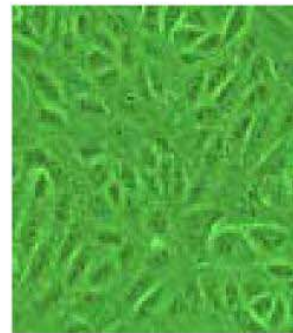
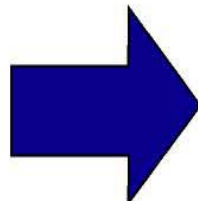
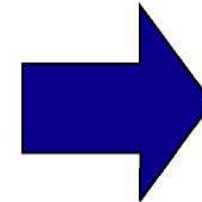
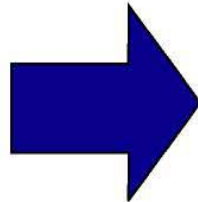
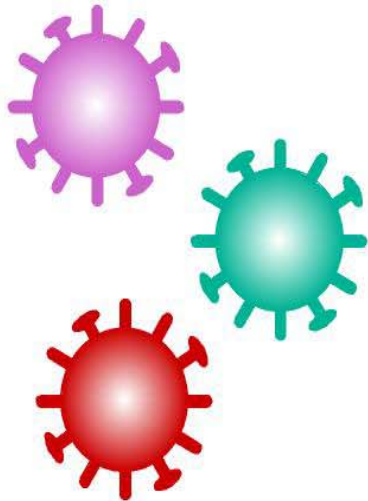
Influenza Vaccine Seed Virus Production Using a Reverse Genetics System



Influenza Vaccine Production: Cell Culture as an Alternative to Chicken Eggs

Provide target viruses to vaccine manufacturers

Identify target flu strains



Potential Advantages of Cell Culture-Based Influenza Vaccines

- **Supports faster vaccine production than egg-based vaccines.**
- **Allows rapid response to discovery of new and evolving flu strains.**
- **Requires less manufacturing space.**
- **Circumvents possible problems presented by highly virulent flu strains (i.e., lethality to chicken embryos).**
- **Tolerated by people with egg allergies.**

NIAID Influenza Research Funding

