United States Senate
Subcommittee on Labor-HHS-Education
Appropriations

FY 2008 Budget for the National Institutes of Health: A New Vision for Medical Research

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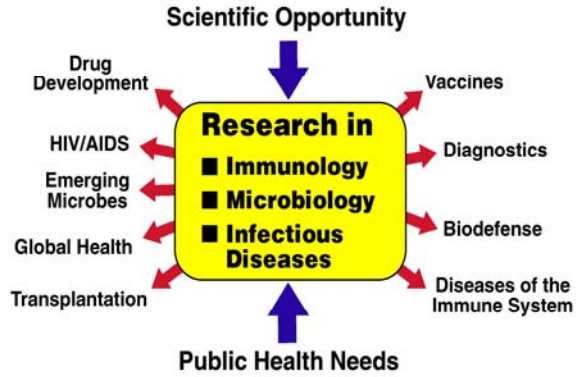
National Institute of Allergy and Infectious Diseases (NIAID) National Institutes of Health (NIH)



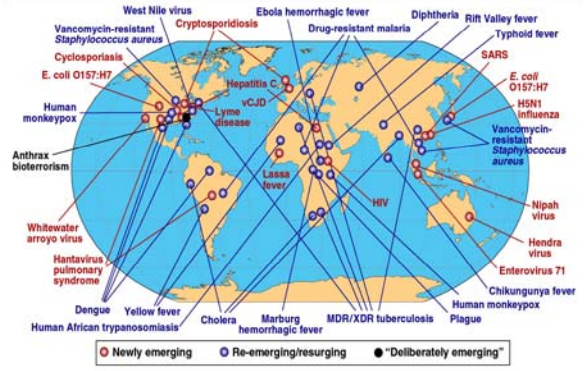
NIAID Infectious Disease Research: A Dual Mandate

Maintain and "grow" a robust basic and clinical research portfolio in microbiology, infectious diseases and immunology

Respond rapidly to new infectious disease threats

New/Improved Countermeasures

Global Examples of Emerging and Re-Emerging Infectious Diseases



Emerging/Re-Emerging Infectious Diseases: Selected Opportunities

HIV/AIDS

- New generation of anti-HIV drugs
- Expanded HIV vaccine trials
- New tools for HIV prevention, e.g. microbicides and circumcision

Malaria

- Mining genomic sequences of parasite and vector
- Averting and overcoming drug resistance
- Novel vaccine candidates

Influenza

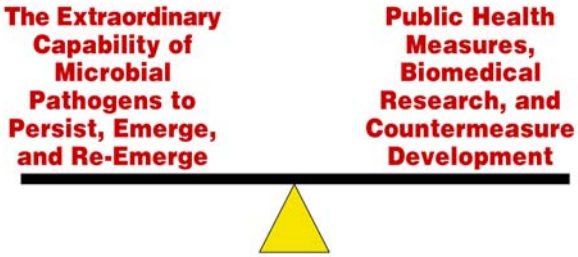
- Development of new countermeasures for both seasonal and pandemic influenza, e.g. vaccines, therapeutics, and diagnostics

Emerging/Re-Emerging Infectious Diseases: Selected Opportunities

Tuberculosis

- Additional drug and vaccine candidates in clinical trials
- Development of point-of-care diagnostics
- Implementation of NIAID research agenda for XDR-TB

Potential Bioterror Agents

- Enhanced research infrastructure
- Application of basic research findings to the development of countermeasures

A Delicate Balance: The Perpetual Challenge