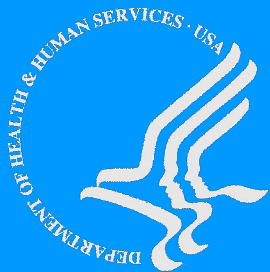


Safety Symposium Follow-up

Safety Considerations in Recombinant DNA Research with Pathogenic Viruses

Development of a Web Based Resource



NIH Office of Biotechnology Activities Dec. 16, 2004



Safety Symposium Follow-up

- **Review objectives of safety symposium**
- **Present web pages being developed as resources for Institutional Biosafety Committees**
 - **Materials developed for symposium**
 - **Frequently Asked Questions**
 - **Meeting proceedings**
- **RAC discussion of content**

Challenges for Biosafety Review of New Research with Pathogenic Viruses

Increased research with pathogenic viruses

- **Improved methods for generation of recombinant viruses from plasmids**
- **Public health concerns**
- **Biodefense**

Examples of areas of research

- **1918 “Spanish” Influenza Virus**
- **Highly Pathogenic Avian Influenza Viruses**
- **Severe Acute Respiratory Syndrome Coronavirus**

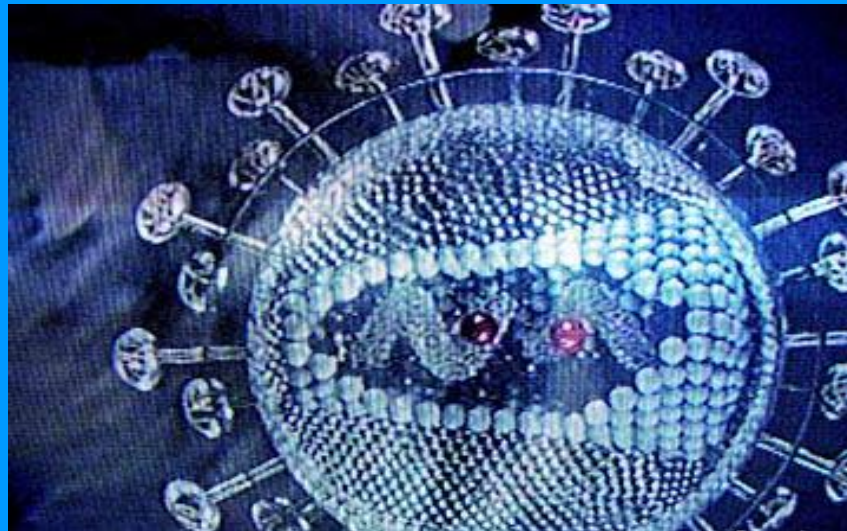


Goals of Safety Symposium

- **Review novel recombinant research with pathogenic viruses**
 - **Influenza virus research**
 - **Reverse Genetics**
 - **1918 Influenza virus**
 - **Highly pathogenic avian influenza virus**
 - **Vaccine Applications**
 - **SARS-CoV research**
 - **Lessons from research with other infectious viruses**
 - **HIV**
 - **Newcastle disease virus**

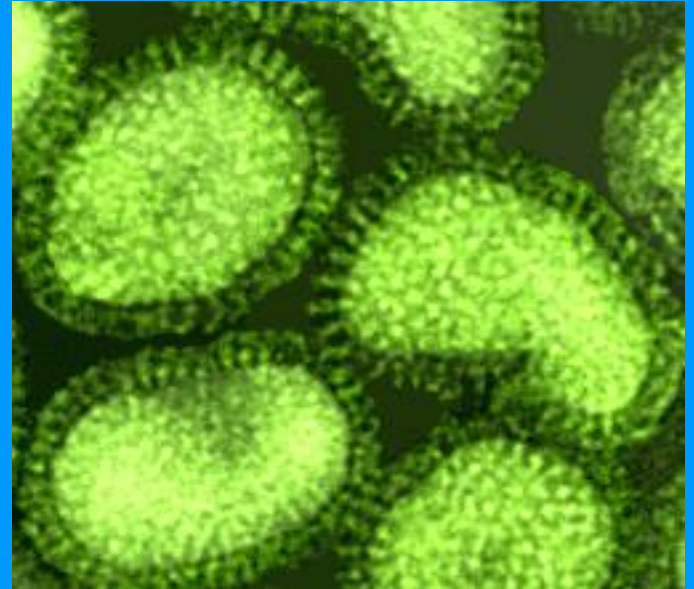
Goals of Safety Symposium

- Enhance awareness of biosafety issues
- Review current Guidance
 - *NIH Guidelines for Research Involving Recombinant DNA Molecules*
 - *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*
 - US Dept. of Agriculture Regulations



Goals of Safety Symposium

- **Discuss associated risk assessment issues**
- **Draft points to consider to assist Institutional Biosafety Committees reviewing this type of research**



Resources from Safety Symposium

- **Convert the points to consider developed at the symposium into a web based resource**

[OBA safety symposium - Sept. 2004](#)

Web based resource

- **Discussion of content and utility for IBCs**
 - Recommendations for additional resources or FAQs
- **Evolving resource**
 - Suggestions from IBC members
 - Public input