

**IBC MEETING**  
**Los Alamos National Laboratory**  
**November 18, 2003**

IBC members present for the IBC meeting were:

- Dave Barber
- Bill Brady
- James Freyer
- Rob Hipwood
- Cheryl Lemanski
- Dina Sassone
- Glenn Funk (participated by telephone)
- Chuck Pergler
- John Olav Johnsen
- Ken Wilson
- Mark MacInnes (participated by telephone)
- David Bruce

Previous meeting minutes were approved.

Others present:

- Nathan Schwade
1. Dina Sassone provided a brief update on human cell lines biosafety levels.
  2. Two new applications were reviewed. The IBC approved these at BSL-1:
    - Bacillus Anthracis Siderophore Biosynthesis
    - Use of Flow-Sorted Chromosomes in the Analysis of Radiation-Induced Aberration by Microchip Arrays.
  3. Twenty applications were renewed; one was withdrawn, since the Principle Investigator has left the lab. The remaining 19 were approved, or approved with conditions.

Human Blood-borne Pathogens
Class II Bacterial Culture and Analysis
Handling subgroup 1 Bacilli closely related to <i>B. anthracis</i> and other BSL-2 microbes.
Development of vaccinia virus-based heterologous protein production for purification and mammalian cell expression.
Culturing <i>Yersinia enterocolitica</i> ; <i>Yersinia pseudotuberculosis</i>
Avirulent <i>B. anthracis</i> strains and AFLP Group 1 <i>Bacillus</i> strains
Tissue culture of influenza virus
Class II Bacteria DNA or stabilized cells
<i>Intracellular signaling in human host cells in response to Yersinia Enterolitica Infection</i>
Immune Cell-based Biosensor for Rapid Pathogen Detection and Identification (LDRD)
The impact of different bacteriophage on <i>B. anthracis</i> (Los Alamos studies will only use <i>B. anthracis</i> Sterne).
Microsphere –based immunoassay for rapid and sensitive influenza virus typing and subtyping by flow cytometry) Component of the LDRD Titled “Development of an Influenza Early Warning System”)
Early Diagnosis of Infection
Optical Cancer Diagnosis
Understanding the mechanism of Beryllium Induced Immune Response in Healthy Individuals and Patients with Chronic Beryllium Disease
Culture, Processing, and Analysis of the Select Agent Microbiological Pathogens, <i>Bacillus anthracis</i> and <i>Yersinia pestis</i>
Immunomagnetic Separation of Model Cancer Cells
Genetic Mechanism for reduction of virulence in <i>Bacillus anthracis</i>
Development of an immune library from PCR amplified V genes from SARS infected

humans, and selection of antibodies and fluorobodies against recombinant SARS proteins. 2) Development of a naïve antibody or fluorobody library from human lymphocyte
Molecular Mechanisms of DNA Damage Responses Areas
Use of Human Primary and Cultured Cell Lines to Study Signaling Pathways in Response to Foreign Antigen
Bacillus Anthracis Siderophore Biosynthesis
Use of Flow-Sorted Chromosomes in the Analysis of Radiation-Induced Aberration by Microchip Arrays.

4. A commitment to post summaries of approved protocols on a public webpage was made by the IBC.

The committee adjourned at 1:00 pm.