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April 4, 2006

Edward Hammond
Director, The Sunshine Project
P.O. Box 41987
Austin, TX 78704

Dear Mr. Hammond,

Per your request dated 15 March 2006, we are sending you copies of minutes from the Kansas State University's IBC committee meetings dated 1 May 2003 through the present.

Sincerely,

A handwritten signature in blue ink, appearing to read 'R.W. Trewyn', written in a cursive style.

R.W. Trewyn
Vice Provost for Research and
Dean of the Graduate School

Minutes

Institutional Biosafety Committee

August 18, 2003

The meeting was called to order by Beth Montelone, Chair, at 10:00 a.m., 102 Fairchild Hall. Members present: Michael Kanost, George Stewart, Ron Bridges, Harold Trick, Jerry Jaax, Tim Rozell, Jay Reppert and Committee Secretary, Alissa Ross.

Preliminary Business:

Kanost moved and Bridges seconded to approve the minutes of June 11, 2003 pending changes. The motion passed unanimously.

New Business:

Registration 430

"Role of Shipping Stress in the Acquisition of Resistance Genes by Salmonella in Swine," [REDACTED] Jaax moved and Reppert seconded to approve the work for the experiments described which utilize infectious agents. The appropriate containment level is BL2.

Conditions:

Approval contingent on IACUC approval. Additional containment and disinfection to follow procedures specified in P.I.'s email message of 8/22/03.

The motion passed with one abstention.

Registration 431

"Porcine Peptidoglycan Recognition Proteins" [REDACTED] Stewart moved and Rozell seconded to approve the work for expression of genes in the hosts and vectors indicated in the application and for the experiments described which utilize infectious agents, under Section III-F-6 of the NIH guidelines and Section III+IV of the CDC BMBL. The appropriate containment level is BL1 and BL2. The motion passed unanimously.

Registration 432

"MGA in Receiving Diets for Feedlot Cattle" [REDACTED] Jaax moved and Reppert seconded to approve the work for the experiments described which utilize infectious agents, under Section IV of the CDC BMBL. The appropriate containment level is BL1.

The motion passed unanimously.

Other Business:

[REDACTED] came to discuss the new BL-2 Food Animal Facilities. He would like to get the IBC's approval. The committee decided to take a tour of the facilities.

The committee decided to make the second Thursday of the even numbered months at 2 p.m. the designated IBC meeting time for the upcoming fall semester.

Jaax moved and Stewart seconded to adjourn the meeting.

The meeting was adjourned at 11:00 a.m.

Minutes

Institutional Biosafety Committee

October 23, 2003

The meeting was called to order by Beth Montelone, Chair, at 2:00 p.m., 102 Fairchild Hall.
Members present: Michael Kanost, George Stewart, Ron Bridges, Harold Trick, Jay Reppert, Orris Kelly, Verlyn Steinkruger, and Committee Secretary, Alissa Ross.

Preliminary Business:

Bridges moved and Kanost seconded to approve the minutes of August 18, 2003. The motion passed unanimously.

New Business:

Registration 433

"Characterization of Canine b-defensins, a Novel Family of Epithelium-derived Antimicrobial Peptides," [REDACTED] Trick moved and Kanost seconded to approve the work as an exempt experimental protocol for recombinant DNA in E.coli and for the experiments described which utilize infectious agents, under Section III-F-6 of the NIH guidelines and Sections III and IV of the CDC BMBL. The appropriate containment level is BL1 for recombinant DNA work and BL2 for work with bacteria.

Conditions:

Approval contingent upon inspection of rooms by Bridges, Montelone and Jaax, in which the experiments will be conducted.

The motion passed unanimously.

Registration 434

"Traffic and Secretion of ACRP30 in Adipocytes" [REDACTED] Stewart moved and Trick seconded to approve the work as an exempt experimental protocol and for expression of genes in the hosts and vectors indicated in the application, under Section III-F-6 of the NIH guidelines. The appropriate containment level is BL1.

The motion passed unanimously.

Registration 435

"Expression of Coronavirus (e.g. SARs) genes", [REDACTED] Bridges moved and Stewart seconded to approve the work for expression of genes in the hosts and vectors indicated in the application and for the experiments described which utilize infectious agents, under Section III-D-2 of the NIH guidelines. The appropriate containment level is BL2.

The motion passed unanimously.

Registration 436

"Herpes Simplex Virus (HSV-1) Pathogenesis Studies" [REDACTED] Montelone suggested this be tabled until more information about the animal part of this application is given.

Registration 437

"Real-time PCR Detection of PRRSV and Rapid Identification of Vaccine in Serum and Semen", Dr. Richard Oberst. Bridges moved and Trick seconded to approve the work for the experiments described which utilize infectious agents. The appropriate containment level is BL1.

The motion passed unanimously.

Registration 438

"Sources and Abatement of Fecal Bacteria in a High Priority TMDL Watershed in NE Kansas" [REDACTED]
[REDACTED] Kanost moved and Bridges seconded to approve the work for the experiments described which utilize infectious agents, under Section III and IV of the CDC BMBL. The appropriate containment level is BL2.

The motion passed unanimously.

Other Business:

The meeting was adjourned at 3:00 p.m.

Minutes

Institutional Biosafety Committee

December 9, 2004

The meeting was called to order by Michael Kanost, Chair, at 2:00 p.m., 102 Fairchild Hall.
Members present: Jay Reppert, Ron Bridges, Jerry Mershon, Helmut Hirt, Harold Trick, Bart Carter, Elizabeth Boyle and Committee Secretary, Alissa Ross.

Preliminary Business:

There was one change noted in the minutes of October 14, 2004. Otherwise, there were no objections. They were approved.

New Business:

Registration 475

"Plant Response to Aphids," [REDACTED]. Reppert moved and Bridges seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Section III.E.2a and III.F.6 of the NIH guidelines. The appropriate containment level is BL-1p and BL-1.

Conditions:

- Please prepare a biosafety manual.

The motion passed unanimously.

Registration 476

"Effect of Pig Umbilical Cord Matrix Stem Cell Transplant on Parkinsonian Rats", [REDACTED]. Bridges moved and Reppert seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Section III.D.4.b and Appendix BV-1 of the NIH guidelines. The appropriate containment level is BL-1 and BL-2n.

Conditions:

- Under Section IV.H please give all rooms where animals will be housed. (i.e. Coles Hall 115 and other housing rooms)
- Describe disposal of animals and animal waste

The motion passed unanimously.

Registration 477

"Cryopreserving and Establishing Rat Embryonic Stem Cells", [REDACTED]. Mershon moved and Carter seconded to approve the work for expression of genes in the hosts and vectors indicated in the application & use of tumorigenic material or human cell lines, under Section III.D.4.b and III.F.6 of the NIH guidelines. The appropriate containment level is BL-1 and BL-2n.

Conditions:

- Under Section IV.H please give all rooms where animals will be housed. (i.e. Coles Hall 115 and other housing rooms)
- Describe disposal of animals and animal wastes.
- Please clarify fishes listed in Section IV.B. What are the cloned genes from White cloud mountainfish and Atlantic salmon? If it is not cloning, but just for PCR products, that does not need to be reported.

The motion passed unanimously.

Registration 478

"Biology and Genetics of Enterococcus faecalis Capsular Polysaccharides". [REDACTED] Repper moved and Carter seconded to approve the work for expression of genes in the hosts and vectors indicated in the application & for the experiments described which utilize infectious agents, under Section III.D.1a of the NIH guidelines and III.A of the CDC BMBL guidelines. The appropriate containment level is BL-2.

Conditions:

- Training must be completed by all on project when they arrive.

The motion passed unanimously.

Other Business

Committee discussed possibly adding a request of P.I. in Section IV.A. to describe handling of waste and decontamination procedures. Decided to discuss at next meeting.

The meeting was adjourned at 3:20 p.m.

Minutes

Institutional Biosafety Committee

December 11, 2003

The meeting was called to order by Beth Montelone, Chair, at 2:00 p.m., 102 Fairchild Hall.
Members present: George Stewart, Harold Trick, Jay Reppert, Jerry Jaax, Timothy Rozell, Orris Kelly, Verlyn Steinkruger, and Committee Secretary, Alissa Ross.

Preliminary Business:

Steinkruger moved and Jaax seconded to approve the minutes of October 23, 2003. The motion passed unanimously.

New Business:

Registration 439

"Biology of Lipoteichoic Acid in Enterococcus faecalis," [REDACTED] Jaax moved and Kelly seconded to approve for the experiments described which utilize infectious agents, under Sections III-A of the CDC BMBL. The appropriate containment level is BL2.

Conditions:

- IBC must inspect facilities prior to work with VRE.
- The P.I. must do antibiotic resistance panel on all VRE strains.
- All lab personnel must be made aware of risk to immuno-compromised people.

The motion passed unanimously.

Registration 440

"Pseudorabiesvirus (PRV) Expressing Porcine Respiratory and Reproductive Syndrome Virus (PRRSV) Proteins," [REDACTED] Reppert moved and Rozell seconded to approve the work for expression of genes in the hosts and vectors indicated in the application and for the experiments described which utilize infectious agents, under Section III-D-3-A of the NIH guidelines. The appropriate containment level is BL2.

The motion passed unanimously.

Registration 441

"Durations of Urinary Shedding of Leptospire in Dogs after Recovery from Clinical Leptospirosis" [REDACTED] Jaax moved and Stewart seconded to approve the work for the experiments described which utilize infectious agents, under Section VII-A of the CDC BMBL guidelines. The appropriate containment level is BL2.

Conditions:

All culture work must be done under BL2 conditions.

Other Business:

- Jaax discussed the Texas Tech University situation.
- Jaax also mentioned that KSU is looking to hire a part-time (eventually full-time) Bio-Safety Officer and described position.
- Committee decided that the second Thursday of the even months would be the meeting times for next spring.

The meeting was adjourned at 3:00 p.m.

Minutes

Institutional Biosafety Committee

February 19, 2004

The meeting was called to order by Beth Montelone, Chair, at 9:00 a.m., 102 Fairchild Hall. Members present: Harold Trick, Jay Reppert, Jerry Jaax, Orris Kelly, Ron Bridges, Michael Kanost, and Committee Secretary, Alissa Ross.

Preliminary Business:

Kelly moved and Jaax seconded to approve the minutes of December 11, 2003. The motion passed unanimously.

New Business:

Registration 442

"Plant Association with Pathogens, [REDACTED] Kanost moved and Bridges seconded to approve for expression of genes in the hosts and vectors indicated in the application and for the experiments described which utilize infectious agents, under Sections III-E-2-a of the NIH guidelines. The appropriate containment level is BL1-p.

Conditions:

- Work done in greenhouses must be identified with biohazard signs.
- An expanded list of properties of plasmids is needed.

The motion passed unanimously.

Registration 443

"Determination of Antiviral Efficacy of Polyoxoniobates/VSV/CPV/Avian pox", [REDACTED] Kanost moved and Bridges seconded to approve the work for the experiments described which utilize infectious agents, under Section VII-F of the CDC BMBL guidelines. The appropriate containment level is BL2.

Conditions:

- We have combined all polyoxoniobate studies in one document.

The motion passed unanimously.

Registration 444

"Inactivation and Rapid Verification of Influenza A Viruses" [REDACTED] Kanost moved and Bridges seconded to approve the work for the experiments described which utilize infectious agents, under Section VII-F of the CDC BMBL guidelines. The appropriate containment level is BL2.

Conditions:

- P.I. must specify the influenza strains/isolates to be used.

Other Business

The meeting was adjourned at 9:35 a.m.

Minutes

Institutional Biosafety Committee

June 10, 2004

The meeting was called to order by Beth Montelone, Chair, at 2:00 p.m., 102 Fairchild Hall.
Members present: Harold Trick, Jay Reppert, Verlyn Steinkruger, Timothy Rozell, Michael Kanost, and Committee Secretary, Alissa Ross.

Preliminary Business:

Kanost moved and Trick seconded to approve the minutes of February 19, 2003. The motion passed unanimously.

New Business:

Registration 447

"Molecular Epidemiology of Skunks in Kansas," [REDACTED] Rozell moved and Steinkruger seconded to approve for expression of genes in the hosts and vectors indicated in the application and for the experiments described which utilize infectious agents, under Sections III-D-2a of the NIH guidelines. The appropriate containment level is BL2.

Conditions:

- Lab must be inspected prior to initiations of BI-2 work.
- All materials must be autoclaved prior to disposal.

The motion passed unanimously.

Registration 448

"Inactivation and Rapid Verification of Bacillus Species Spores", [REDACTED] Steinkruger moved and Reppert seconded to approve the work for the experiments described which utilize infectious agents, under Section VII of the CDC BMBL guidelines. The appropriate containment level is BL1.

The motion passed unanimously.

Registration 451

"Inactivation and Rapid Verification of Feline Calicivirus", [REDACTED] Kanost moved and Trick seconded to approve the work for the experiments described which utilize infectious agents, under Section VII of the CDC BMBL guidelines. The appropriate containment level is BL2.

The motion passed unanimously.

Registration 452

"Development of a Mouse Model for Babesia Microti and Borrelia Burgdorferi Coinfection" [REDACTED]
[REDACTED] Trick moved and Kanost seconded to approve the work for the experiments described which utilize infectious agents. The appropriate containment level is BL2.

Conditions:

- Specify any lab space where work will be done.
- Autoclave materials prior to disposal.

The motion passed unanimously.

Registration 453

"Bovine Herpesvirus Type 1 and 5 (BHV-1 and BHV-5) Neuropathogenesis Studies" [REDACTED]
[REDACTED] Kanost moved and Reppert seconded to approve for expression of genes in the hosts and

vectors indicated in the application and for the work for the experiments described which utilize infectious agents, under Section III-D-2a of the NIH guidelines. The appropriate containment level is BL2.

Conditions:

- Specify animal rooms to be used for B1-2 work and display appropriate signs.

The motion passed unanimously.

Other Business

This was the last meeting in which Dr. Beth Montelone will be the chair of the committee. We would like to thank her for her hard work and years of dedication to the IBC committee. You will be missed. Dr. Michael Kanost will be taking her place as chair starting August 2004.

The committee secretary will check the Web site links on the IBC application for activity.

The meeting was adjourned at 3:00 p.m.

Minutes

Institutional Biosafety Committee

August 12, 2004

The meeting was called to order by Beth Montelone, Chair, at 2:00 p.m., 102 Fairchild Hall.
Members present: Harold Trick, Jay Reppert, Verlyn Steinkruger, Jerry Jaax, Ron Bridges, and Committee Secretary, Alissa Ross.

Preliminary Business:

Jaax moved and Reppert seconded to approve the minutes of June 10, 2004. The motion passed unanimously.

New Business:

Registration 456

"Evolutionary Genomics of Freezing Tolerance in Arabidopsis Thaliana," [REDACTED] Jaax moved and Steinkruger seconded to approve for expression of genes in the hosts and vectors indicated in the application, under Section III-E-2a of the NIH guidelines. The appropriate containment level is BL-1P.

Conditions:

The motion passed unanimously.

Registration 457

"Cell Physiology of the Inner Ear" [REDACTED] Reppert moved and Bridges seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Section III-D-2-a of the NIH guidelines. The appropriate containment level is BL2.

Conditions:

- All materials must be autoclaved prior to disposal.

The motion passed unanimously.

Registration 458

"Molecular Evolutionary Ecology of Developmental Signaling Pathways in Complex Environments" [REDACTED] Bridges moved and Jaax seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Section III-E-2-a of the NIH guidelines. The appropriate containment level is BL-1P.

The motion passed unanimously.

Registration 459

"The Molecular Basis of Inbreeding Depression in the Black-footed Ferrer", [REDACTED] Trick moved and Bridges seconded to approve the work as an exempt experimental protocol, under Section III-F-6 of the NIH guidelines. The appropriate containment level is BL1.

The motion passed unanimously.

Registration 460

"Host Sensing and Type III Gene Regulation in *Pseudomonas Syringae*" [REDACTED] Trick moved and Steinkruger seconded to approve for expression of genes in the hosts and vectors indicated in the application and for the work for the experiments described which utilize infectious agents, under Section III-E-2a of the NIH guidelines. The appropriate containment level is BL-1P.

The motion passed unanimously.

Other Business

Dr. Beth Montelone and Dr. Jaax brought to the committee's attention an issue dealing with documentation and implementation of the Teaching/Instruction Registration Form to protect faculty. It has been decided that Jaax and Montelone will get together to decide which faculty needs to be involved with the process.

A handout was dispersed to the committee regarding Frequently Asked Questions of IBC's.

Dr. Jaax will add a section on disposal to the IBC Registration Document.

Jaax and Reppert will collaborate to produce a general Fact Sheet for possible occupational risks for those who are involved with research with recombinant DNA and infectious agents.

The meeting was adjourned at 3:00 p.m.

Minutes

Institutional Biosafety Committee

October 14, 2004

The meeting was called to order by Michael Kanost, Chair, at 2:30 p.m., 102 Fairchild Hall. Members present: Jay Reppert, Verlyn Steinkruger, Jerry Jaax, Ron Bridges, Jerry Mershon, Helmut Hirt, and Committee Secretary, Alissa Ross. Rollie Clem attended as a guest and will be added as an official member of the committee by next meeting.

Preliminary Business:

There were no objections to the minutes of August 12, 2004. They were approved.

New Business:

Registration 461

"Detection of Autoantibodies in SARS Sera," [REDACTED] Jaax moved and Bridges seconded to approve for the experiments described which utilize infectious agents, under Section III.D.3d of the NIH guidelines. The appropriate containment level is BL-2.

Conditions:

- Dr. Kapil providing information about details of heat inactivation of SARS virus.

The motion passed unanimously.

Registration 474

"Regulation of Gap Junction in Colon Cancer Cells," [REDACTED] Bridges moved and Jaax seconded to approve the work with tumorigenic material and human cell lines, under Appendix H of the CDC BMBL guidelines. The appropriate containment level is BL2.

Conditions:

- Inspection of the lab by IBC must occur.

The motion passed unanimously.

Instructional Registration 464

"Veterinary Microbiology and Mycology," [REDACTED] Jaax moved and Steinkruger seconded to approve the work for experiments described which utilize infectious agents, under Section VII.A and B of the CDC BMBL guidelines. The appropriate containment level is BL-2.

The motion passed unanimously.

Instructional Registration 465

"Molecular Genetics Laboratory (BIOL 676)," [REDACTED] Reppert moved and Bridges seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Sections III.F.6 and III.E.2a of the NIH guidelines. The appropriate containment level is BL-1 and BL-1P.

The motion passed unanimously.

Instructional Registration 466

"Virology Laboratory (BIOL 731)", [REDACTED] Steinkruger moved and Jaax seconded to approve work for experiments described which utilize infectious agents, under Section III.D.3d and III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 467

"Biology of Fungi (BIOL 604)", [REDACTED] Bridges moved and Jaax seconded to approve work for experiments described which utilize infectious agents, under Section VII.B of the CDC BMBL guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 468

"PLPTH 845 Plant Pathogenic Fungi", [REDACTED] Jaax moved and Bridges seconded to approve work for experiments described which utilize infectious agents, under Section VII.B of the CDC BMBL guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 469

"PLPTH 500 Principles of Plant Pathology", [REDACTED] Reppert moved and Bridges seconded to approve work for experiments described which utilize infectious agents, under Section VII.A & B of the CDC BMBL guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 470

"Recombinant DNA Laboratory II", [REDACTED] Bridges moved and Hirt seconded to approve work as an exempt experimental protocol, under Section III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

The motion passed with one abstention.

Instructional Registration 471

"General Biochemistry Laboratory", [REDACTED] Jaax moved and Bridges seconded to approve work as an exempt experimental protocol, under Section III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 472

"Recombinant DNA Laboratory I", [REDACTED] Jaax and Bridges seconded to approve work as an exempt experimental protocol, under Section III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

The motion passed unanimously.

Instructional Registration 473

"Biology 455: General Microbiology" [REDACTED] Jaax moved and Bridges seconded to approve work for the experiments described which utilize infectious agents, under Section VII.A of the CDC BMBL guidelines. The appropriate containment level is BL-1.

The motion passed with one abstention.

Other Business

A section entitled Non-Technical Synopsis will be added to the IBC application. This will explain the project in terms a non-scientist can understand.

Possible fact sheets to be given to students in the instructional classes was discussed and agreed to be a good idea.

The meeting was adjourned at 4:15 p.m.

Minutes

Institutional Biosafety Committee

February 10, 2005

The meeting was called to order by Michael Kanost, Chair, at 10 a.m., 102 Fairchild Hall. Members present: Ron Bridges, Jerry Mershon, Helmut Hirt, Harold Trick, Bart Carter, Elizabeth Boyle, Jerry Jaax, Roman Ganta, Verlyn Steinkruger, Rollie Clem and Committee Secretary, Alissa Ross.

Preliminary Business:

The minutes of December 9, 2004 were approved with no objections.

New Business:

Registration 480

"Identification of Downstream Signals for Pitx2a," [REDACTED] Trick moved and Carter seconded to approve the work for expression of genes in the hosts & vectors indicated in the app & use of tumorigenic material or human cell lines, under Section III.D.3e and III.F.6 of the NIH guidelines and under Appendix H of the CDC BMBL guidelines. The appropriate containment level is BL-1 and BL-2.

Conditions:

- Omit bacteria from list under Infectious Agents.

The motion passed unanimously.

Registration 481

"Metabolic Profiling of Lipids and their Compositional Dynamics in Plant Stress Responses" [REDACTED] Ganta moved and Bridges seconded to approve the work for expression of genes in the hosts and vectors indicated in the application, under Section II.E.2 of the NIH guidelines. The appropriate containment level is BL-1p.

Conditions:

The motion passed unanimously.

Other Business

A. Biosafety Manual Inspections

Jaax discussed that a Compliance Monitor will be hired in the spring, whose duties would include the inspection of Biosafety Manuals when assessing laboratories on a regular basis. There was further discussion on who needed to have a manual. It was decided that everyone must have some type of Biosafety Manual in his or her labs. However, the length may change depending on what type of materials they work with.

B. Signatures for Proof of No Health Problems

There is no known law stating for Occupational Health signatures for the IBC. The committee decided to look into an Immunosuppression fact sheet and to change the registration document to question if P.I. has informed workers of possible risks.

C. Jaax reminded committee that AAALAC would be visiting KSU campus on March 10 & 11, 2005.

The meeting was adjourned at 11:15 a.m.

Minutes

Institutional Biosafety Committee

June 16, 2005

The meeting was called to order by Michael Kanost, Chair, at 10 a.m., 102 Fairchild Hall. Members present: Ron Bridges, Jerry Mershon, Helmut Hirt, Harold Trick, Bart Carter, Elizabeth Boyle, Jerry Jaax, Nancy Jaax, Jay Reppert, and Committee Secretary, Alissa Ross.

Preliminary Business:

The minutes of February 10, 2004 were approved with no objections.

New Business:

Registration 486

"Eco-toxicogenomics of a Small Mammal Community," [REDACTED] J. Jaax moved and N. Jaax seconded to approve the work for the experiments described which utilize infectious agents, under Section III.F.6 of the NIH guidelines and under Section VII-F of the CDC BMBL guidelines. The appropriate containment level is BL-1 for DNA cloning experiments and BL-2 for handling mouse samples.

Conditions:

The motion passed unanimously.

Registration 487

"Microsatellite Development Workshop" [REDACTED] Carter moved and Hirt seconded to approve the work as an exempt experimental protocol, under Section III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

Conditions:

The motion passed unanimously.

Registration 489

"Stem Cells as Tumor-Targeted Gene Delivery Vehicles", [REDACTED] Carter moved and J. Jaax seconded to approve the work for expression of genes in the hosts and vectors indicated in the application and for use of tumorigenic material or human cell lines, under Appendix C-1 of the NIH guidelines and Appendix H of the CDC BMBL guidelines. The appropriate containment level is BL-2.

Conditions:

The motion passed unanimously.

Registration 490

"Development of Methodologies for Understanding Epitope-Specific T cell Responses", [REDACTED] J. Jaax moved and N. Jaax seconded to approve the work for the experiments described which utilize infectious agents, under Section III of the CDC BMBL guidelines. The appropriate containment level is BL-1.

Conditions:

The motion passed unanimously.

Registration 491

"Substance P and Lipopolysaccharide Increase the Expression of Bovine Leukocyte B2-integrin and Enhance Bovine Leukocyte Cytotoxicity Mediated by Mannheimia Haemolytica Leukotoxin" [REDACTED]

[REDACTED]. The committee tabled this protocol until further information could be attained.

Conditions:

The motion passed unanimously.

Registration 492

"Developing Reliable Screening and Confirmatory Diagnostic Procedures for Kennel Cough Agents Including Canine "Influenza Virus", [REDACTED] Bridges moved and N. Jaax seconded to approve the work for the experiments described which utilize infectious agents, under Section III-F of the CDC BMBL guidelines. The appropriate containment level is BL-2 for influenza viruses and BL-1 for other agents listed.

Conditions:

- Prepare a biosafety manual.

The motion passed unanimously.

Registration 493

"Phospholipid Biosynthesis and Virulence in the Human Parasite Leishmania", [REDACTED] J. Jaax moved and Carter seconded to approve the work for , under Section III-D-1a and III-D-2a of the NIH guidelines and Section VII-C of the CDC BMBL guidelines. The appropriate containment level is BL-2.

Conditions:

The motion passed unanimously.

Other Business

- A. Additions and changes to the IBC registration document were discussed. Specifically regarding adding a question about occupational hazards and changing Section V.B's wording to a statement of information rather than a question.
- B. The committee had a discussion about the issue of field trials. It was decided that the IBC did not need to look at them since they are heavily regulated by APHIS.
- C. Jaax announce that this was the last meeting for the committee secretary, Alissa Ross. Her replacement has been hired and will start on Monday, June 27. He also stated that the Compliance Auditor, Ashley Rhodes, would be starting on Monday, June 20.
- D. Kanost brought a NIH handout to discuss.
- E. Jaax discussed briefly about the AAALAC site visit.

The meeting was adjourned at 11:50 a.m.

Official Minutes from the IBC Committee Meeting on 8-11-05

Meeting called to order at 10:05 a.m. in Fairchild 102 by Michael Kanost, Chair.
Members present Dr. Jaax, Ron Bridges, Dr. Hirt, Dr. SteinKruger, Dr. Ganta, Dr. Trick,
Dr. Carter, Ashley Rhodes, and Adassa Roe.

Preliminary business:

Minutes of June 16th meeting accepted with amendment of registration 493 which should have been from [REDACTED] not [REDACTED]

New business:

Registration # 494

"Changes in nematode community composition in response to environmental cues: a genomic approach," [REDACTED] Dr. Trick moved and Dr. Carter seconded to approve the work for DNA cloning experiments as an exempt experimental protocol under section III.F.6 of the NIH guidelines. The appropriate containment level is BL-1.

Condition:

Supply a nontechnical synopsis for the project.

The motion passes unanimously.

Registration #495

"Mycobacterial porins as transmembrane vectors for photodynamic transfer agents," [REDACTED]
[REDACTED] Dr. Jaax moved and Dr. Carter seconded to approve the work involving use of tumorigenic material or human cell lines, under Appendix H of the CDC BMBL guidelines. The appropriate containment level is BL-2.

Condition:

Ask PI to provide info on other participants. IBC will visit to make sure the BL-2 equipment is in place.

The motion passes unanimously.

Registration # 496

"Cellular immunity to ehrlichia chaffeensis," [REDACTED] Dr. Jaax moved and Dr. Carter seconded to approve the work which utilizes infectious agents, under sections III and VII of the CDC BMBL guidelines. The appropriate containment levels are BL-1 for housing of infected mice and BL-2 for laboratory work involving culturing the organism and handling blood and tissue from infected animals.

Conditions:

- Include in Biosafety Manual information on risk of infection and procedure in case of accidental exposure (needle or sharps stick) when handling organisms or infected materials.
- Injections and collection of blood or tissue samples should not be carried out in the room used to house mice.

The motion passed unanimously, with exception of Dr. Ganta, who abstained.

Registration # 497

"Antimicrobial resistance in bacteria isolated from farm animals," [REDACTED]
[REDACTED] Dr. Carter moved and Dr. Jaax seconded to approve the work involving infectious agents, under section VII of the CDC BMBL guidelines. The appropriate containment level is BL-2.

Conditions:

- URCO staff will check with [REDACTED] to determine whether an IACUC approval is required for this project.
- URCO staff will check with [REDACTED] to determine the correct room number of the laboratory and whether it is already approved for BL-2 work. If not, the IBC will visit to check the laboratory conditions.

The motion passed unanimously.

Other business:

-Dr. Kanost introduced new meeting procedure. Protocols to be presented at meeting will be spread out to members for presentation according to their expertise. Protocols will need to be distributed early enough for members to do this and person presenting needs to be at meeting.

-In addition to the minutes of the meetings describing official actions of the committee, the IBC will begin to keep a narrative record of the discussion of registration documents by the members.

-Next meeting is October 13, 2005.

Meeting adjourned at 11:02 a.m..

Minutes

Institutional Biosafety Committee

October 13, 2005

The meeting was called to order by Michael Kanost, Chair, at 3:10 p.m. in 102 Fairchild Hall. Members present: Dr. Hirt, Dr. Steinkruger, Dr. Bridges, Dr. Jerry Jaax, Dr. Nancy Jaax, Dr. Carter, Dr. Clem, Jerry Mershon, and Committee Secretary, Ashley Rhodes

Preliminary Business:

Minutes from meeting on August 11, 2005 accepted.

New Business:

Registration # 504

"Veterinary Diagnosis of Animal Pathogens", [REDACTED] Dr. Ganta moved and Dr. J. Jaax seconded to approve the work for the experiments described under Section VIIA and VII B of the CDC BMBL. The appropriate containment level is BL-2 for most of the organisms, but will classify as BL-3 if necessary when it is suspected that a risk level 3 organism is present in a sample.

Conditions: Specify room number work is to be done in. BL-3 precautions should be taken if working with large volumes of a level 2 organism or if there is a risk of generating an aerosol.

The motion passed unanimously.

Registration # 508

"Glycerolipid biosyntheses and virulence in the human parasite Trypanosoma brucei", [REDACTED] Dr. Ganta moved and Dr. Carter seconded to approve work under Section III-D-1a, III-D-2a, Appendix B-2-C of the NIH guidelines. The appropriate containment level is BL-2.

Conditions: No conditions

The motion passed unanimously.

Registration # 498

"Chloroplast Protein Synthesis Elongation Factor, EF-Tu, and Heat Tolerance" [REDACTED] Dr. N. Jaax moved and Dr. Bridges seconded to approve the work under Section III-E-2a of the NIH guidelines. The appropriate containment level is BL-1p.

Conditions: Need specific room numbers and to insert information given by Dr. Trick.

The motion passed unanimously.

Registration # 499

"Biology 625 – Animal Parasitology", [REDACTED] Dr. Hirt moved and Dr. Carter seconded to approve work under Section VII-C of the CDC BMBL. The appropriate containment level is BL-1

Conditions: No conditions

The motion passed unanimously.

Registration # 500

"Functional Genomics and Proteomics of Hessian Fly Avirulence in Wheat" [REDACTED]
[REDACTED] This registration document was tabled during the meeting until [REDACTED] could send additional information. After sending the requested information, the work has been approved as an exempt project. The appropriate containment level is BL-1.

Conditions: No conditions.

Registration # 501

"Transfer of Brome Mosaic Virus vector for gene silencing", [REDACTED] Dr. Kanost moved and Dr. J Jaax seconded to approve work under Section III-E-2b of NIH guidelines. The appropriate containment level is BL-1-P+ or BL-2-P.

Conditions: Needs non-technical synopsis and [REDACTED] needs to prepare a BMBL manual.

The motion passed unanimously.

Registration # 502

"Molecular Genetic Laboratory", [REDACTED] Dr. Kanost moved and Dr. Carter seconded to approve work under Section III-F-6 of the NIH guidelines. The containment level is BL-1.

Conditions: No conditions, but Dr. Jaax will explore human subjects aspect of attaining the mitochondrial DNA.

The motion passed unanimously.

Registration # 505

“Exotoxicology of Neotropical Migratory Shorebirds”, [REDACTED]. Dr. Carter moved and Dr. J. Jaax seconded to approve work under Appendix C, VII-F of the CDC BMBL. The appropriate containment level is BL-2.

Conditions: Need receipt of USDA permit to be submitted to Compliance Office. Must autoclave waste on site.

The motion passed unanimously.

Registration # 506

“The Biosecurity Research Institute at Kansas State University: Facilities, methods and technologies to determine real-time biohazards in foods and to validate technology readiness”, [REDACTED]. Dr. Kanost moved and Dr. N. Jaax seconded to approve work under Section VII-A of the CDC BMBL. The appropriate containment level is BL-2.

Conditions: Provide information indicating how enterotoxin b will be inactivated before disposal of contaminated samples.

The motion passed unanimously.

Registration # 507

“Growth of Mycobacterium smegmatis in an incubator and 0.50 Lshakers, followed by isolation of mycobacterial porins by extraction and subsequent chromatography”, [REDACTED]. Dr. Hirt moved and Dr. N. Jaax seconded to approve work under Section VII-A of the CDC BMBL. The appropriate containment level is BL-2.

Conditions: Submit information for section H of the Registration Document. Inspection of lab by IBC representatives – will call to schedule. Include information in Biosafety Manual about potential risks to immunocompromised people. If exposure to m. smegmatis can result in cross-reaction with TB test, lab personnel may need to have a baseline TB test.

The motion passed unanimously.

Other business: BRI progressing and IBC will be involved. Tour could be set up for IBC to see BRI. Discussed to set up a town-hall meeting and invite public in for a seminar about building. Dr. Jaax will set up time to go through BRI with IBC on a Thursday afternoon.

Meeting adjourned at 4:30.

Minutes

Institutional Biosafety Committee

December 8, 2005

The meeting was called to order by Dr. Michael Kanost, IBC Chair at 10:38 a.m. in Fairchild 102.

Members present: Dr. Kanost, Dr. Ganta, Dr. Bridges, Dr. Trick, Dr. Nancy Jaax, Dr. Carter and Ashley Rhodes.

Old Business:

Minutes from previous meeting on October 13, 2005 were accepted as written.

New Business:

Registration #509

"Porcine Antimicrobial Peptides; Pathogen Recognition Receptors and Pathogen-Associated Molecular Patterns" [REDACTED] Dr. Kanost moved and Dr. Bridges seconded to approve the work for the experiments under Section 3-F-6 of the NIH Guidelines and Section III and IV of the CDC BMBL. The appropriate containment level is BL-1 for rDNA and PRRSV and BL-2 for level 2 bacteria work.

Conditions: Submit an addendum with a description for methods to be used to test the antimicrobial peptides.

Motion passed unanimously.

Registration #510

"Production of Recombinant Insect Proteins for Biochemical Study", [REDACTED] Dr. Trick served as IBC Chair for this registration document. Dr. Trick moved and Dr. Carter seconded to approve work for the experiments under Section 3-F-6 for plasmids in E. coli or yeast, Section 3-D-3-e for baculovirus expression vector in insect cell culture, and Section 3-F-6 for transfected or stably transformed insect cells of the NIH Guidelines. The appropriate containment level is BL-1.

Conditions: Make sure all workers have completed appropriate training.

Motion passed unanimously.

Other Business:

The committee discussed how to handle room changes and laboratory location changes. Decided it would be best to start a database with all BL-2 and BL-3 work listed with room/lab numbers and types of agents in use.

Dr. Carter stated that the vet school was working on establishing its own IBC committee to oversee work done in the College of Vet Medicine. It was noted that this IBC committee would still fall under the ruling of the University IBC committee and that the University IBC would still have the ultimate say over the approval or disapproval of protocols and activities. However, this newly formed committee would help with scheduling, ordering, and protocol related issues.

It was also discussed that a BL-3 lab is very close to being up and running in the vet school. Because of this, Dr. Jaax needs to create an IBC application appropriate for this type of work.

Dr. Kanost adjourned the meeting at 11:22 a.m.

IBC Minutes

2-14-06

Dr. Kanost called meeting called to order at 2:03 p.m. in Fairchild 102.

Members Present: R. Ganta, V. Steinkruger, H. Hirt, H. Trick, R. Bridges, R. Clem, N. Jaax, J. Jaax, M. Kanost, and committee secretary Ashley Rhodes

Old Business:

IBC 509 - Addendum not required because this part was withdrawn.

College of Vet Med has established a Biosafety Oversight Committee to oversee work done at the CVM. This committee will not be called IBC.

New Business:

Registration #512

"Wnt signaling in zebrafish", [REDACTED] Dr. Jerry Jaax moved and Dr. Helmet Hirt seconded to approve work as submitted under Section III F 6 of the NIH guidelines. The appropriate containment level for this activity is BL 1.

Motion passed unanimously.

Registration # 513

"Insulin signaling in heart", [REDACTED] Dr. Helmet Hirt moved and Dr. Rollie Clem seconded to approve work with the following conditions under section III. D. 3. a of the NIH guidelines and under Appendix H and VII F of the CDC BMBL. The containment level is BL-2.

Conditions: Section IV. F. of the IBC registration document should indicate that section III D 3 a of the Guidelines and Appendix H and VII F are the appropriate sections for this activity. In section III, please include a sentence that details each potential biohazard associated with this project.

Motion passed unanimously.

Registration #482.1 Modification

"In vitro expression and purification of Leptin-Stably expression of leptin and adiponectin in 293 cells", [REDACTED] Dr. Michael Kanost moved and Dr. Jerry Jaax seconded to approve modification with stipulation noted below. Appropriate containment level is BL-2.

Condition: Change lab number to 336 instead of 338.

Motion passed unanimously.

Registration # 514

"Molecular basis of disease: The role of the type III effector PthXo6 during bacterial colonization of rice.", [REDACTED] Dr. Harold Trick moved and Dr. Roman Ganta seconded to approve registration with the following conditions under section III. E. 2. a of the NIH guidelines. Appropriate containment level is BL-1p.

Conditions: Provide additional information on: agrobacterium strain used, room number of lab for work with bacteria, correct room numbers for growth chambers, and clarify whether greenhouse will be used.

Motion passed unanimously.

Registration # 481.1 Modification.

"Metabolic profiling of lipids and their compositional dynamics in plant stress responses", [REDACTED] Dr. Michael Kanost moved and Dr. Nancy Jaax seconded to approve modification as written. Appropriate containment level is BL-1p.

Motion passed unanimously.

Other business:

Discussed SOPs from Jacque Staats concerning BL-3 lab at vet school. If any committee member has suggestions or comments on SOPs, contact Dr. Jerry or Nancy Jaax.

Meeting adjourned at 3:30 p.m.