

## **Bloomsburg University of Pennsylvania**

Assurance Renewal D17-00990

### **Animal Welfare Assurance for Domestic Institutions**

I, Heather S. Feldhaus as named Institutional Official for animal care and use at Bloomsburg University of Pennsylvania, provide assurance that this Institution will comply with the Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals (Policy).

#### **I. Applicability of Assurance**

This Assurance applies whenever this Institution conducts the following activities: all research, research training, experimentation, biological testing, and related activities involving live vertebrate animals supported by the PHS, DHHS, NSF and/or NASA. This Assurance covers only those facilities and components listed below.

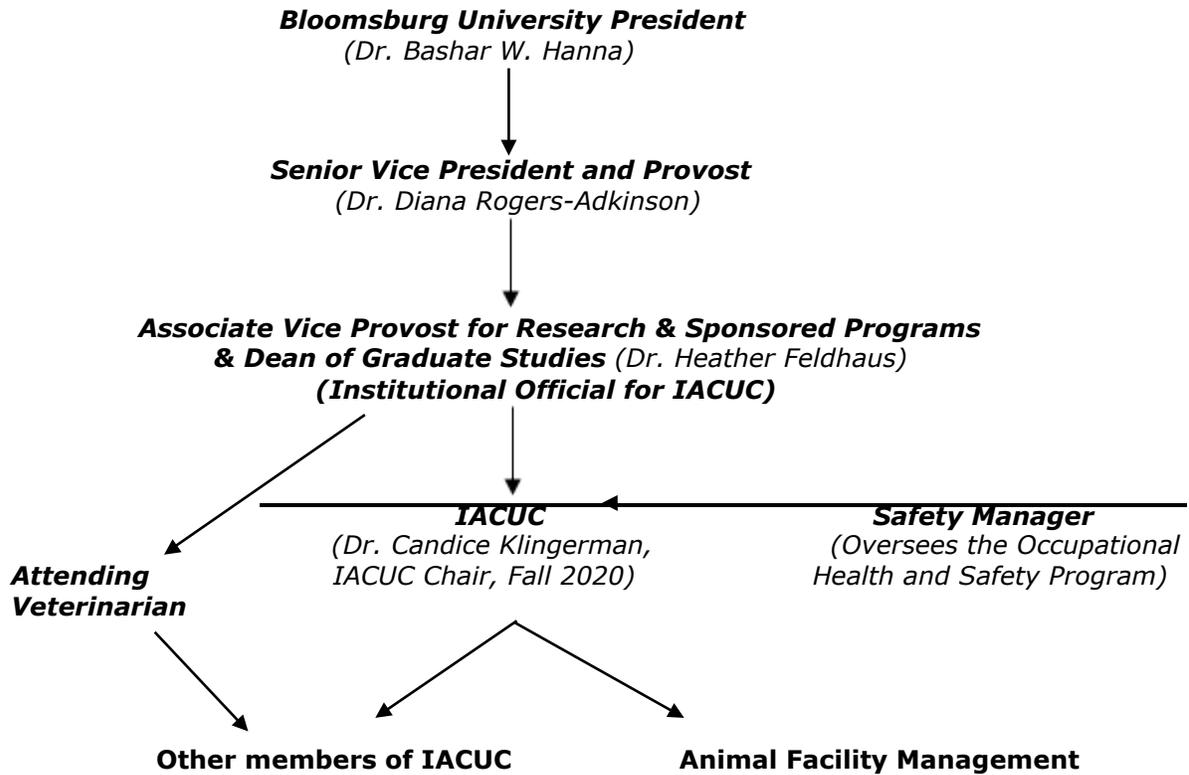
- A. The following are branches and components over which this Institution has legal authority, included are those that operate under a different name:  
Bloomsburg University of Pennsylvania
- B. The following are other institution(s), or branches and components of another institution:  
N/A

#### **II. Institutional Commitment**

- A. This Institution will comply with all applicable provisions of the [Animal Welfare Act](#) and other Federal statutes and regulations relating to animals.
- B. This Institution is guided by the "[U.S. Government Principles for the Utilization and Care of Vertebrate Animals Used in Testing, Research, and Training](#)."
- C. This Institution acknowledges and accepts responsibility for the care and use of animals involved in activities covered by this Assurance. As partial fulfillment of this responsibility, this Institution will ensure that all individuals involved in the care and use of laboratory animals understand their individual and collective responsibilities for compliance with this Assurance, and other applicable laws and regulations pertaining to animal care and use.
- D. This Institution has established and will maintain a program for activities involving animals according to the *Guide for the Care and Use of Laboratory Animals* ([Guide](#)).
- E. This Institution agrees to ensure that all performance sites engaged in activities involving live vertebrate animals under consortium (subaward) or subcontract agreements have an Animal Welfare Assurance and that the activities have Institutional Animal Care and Use Committee (IACUC) approval.

#### **III. Institutional Program for Animal Care and Use**

- A. The lines of authority and responsibility for administering the program and ensuring compliance with the PHS Policy are as follows:



B. The qualifications, authority, and percent of time contributed by the veterinarian(s) who will participate in the program are as follows:

1) Name: Pamela J. Frenz

**Qualifications**

- Degrees:
  - Doctor of Veterinary Medicine; Tuskegee University
  - Associate of Science, Veterinary Technology; Johnson College
  - Bachelor of Science; University of Pittsburg at Bradford
- Training or experience in laboratory animal medicine or in the use of the species at the institution:
  - Large Animal Veterinary Care, Inc. (LAVC) (September 2017-Present)
  - Veterinarian at Bloomsburg Veterinary Hospital (June 2008 to June 2018)
  - Veterinary Technician at Auburn University (May 2005 – August 2007)
  - Veterinary Technician at Opelika Animal Hospital (Dec 2004 – May 2005)
  - Veterinary Technician at Pine Haven Veterinary Clinic (March 2004 – July 2004)
  - Veterinary Technician at Brookhill Animal Hospital (April 1999 – March 2004)
  - Veterinary Assistant at Mountaintop Animal Hospital (August 2002 – March 2003)

**Authority:** Dr. Pamela Frenz has direct program authority and responsibility for the Institution’s animal care and use program including access to all animals. Dr. Frenz reports to the Institutional Official.

**Time contributed to program:**

Dr. Frenz is a consulting veterinarian who conducts random inspections of the housing facility, which take approximately 2-3 hours per month; 100% of this time is contributed to the animal care and use program. Dr. Frenz is the only veterinarian associated with the program, however if she is unavailable, then the previous consulting veterinarian who is employed at the Bloomsburg Veterinary Hospital (Dr. Amy Grausam) is available for

emergency consultation. Dr. Grausam (Doctor of Veterinary Medicine from the University of Pennsylvania of Veterinary Medicine) currently serves as the back-up veterinarian. She previously served as the consulting veterinarian for the BU-IACUC for 8 years, which provided her with extensive experience in the use of all animal species utilized by BU researchers.

C. The IACUC at this Institution is properly appointed according to PHS Policy IV.A.3.a. and is qualified through the experience and expertise of its members to oversee the Institution's animal care and use program and facilities. The IACUC consists of at least 5 members, and its membership meets the composition requirements of PHS Policy IV.A.3.b. Attached is a list of the chairperson and members of the IACUC and their names, degrees, profession, titles or specialties, and institutional affiliations.

D. The IACUC will:

- 1) Review at least once every 6 months the Institution's program for humane care and use of animals, using the *Guide* as a basis for evaluation. The IACUC procedures for conducting semiannual program reviews are as follows:
  1. The IACUC chair calls the meeting of all current IACUC members.
  2. The chair schedules the meeting date and time when the majority of IACUC members are available to meet.
  3. The chair leads the discussion of the program review. The program review follows a Program Review Checklist modeled after the sample checklist provided on the OLAW website. Following the checklist, the program review involves a discussion of the animal care and use program, disaster planning and emergency preparedness, the responsibilities of the IACUC, IACUC protocol review procedures, IACUC membership and functions, IACUC training, record keeping and reporting requirements, veterinary care, personnel qualifications and training, occupational health and safety of personnel, personnel security, and the process of investigating and reporting animal welfare concerns.
  4. Following this discussion, the members of IACUC tour and inspect the animal facilities.
- 2) Inspect at least once every 6 months all of the Institution's animal facilities, including satellite facilities and animal surgical sites, using the *Guide* as a basis for evaluation. The IACUC procedures for conducting semiannual facility inspections are as follows:
  1. Following the program review meeting, the members of IACUC present at that meeting tour and inspect all animal facilities. This includes:
    - a. the animal housing rooms and surgical room in the Psychology department building
    - b. the animal housing rooms in the Biology department building
    - c. the laboratory classrooms in the Biology department building
  2. The chair references a Facility Inspection Checklist modeled after the sample checklist provided on the OLAW website. Following the checklist, the members of IACUC inspect the location and construction of animal housing and support areas, primary enclosures, environmental enrichment/behavioral/social management, food, water, bedding/nesting materials, sanitation, waste disposal, emergency/weekend/holiday animal care, identification/record keeping, storage, and personnel areas.
  3. If the inspection reveals no deficiencies, then all present members of IACUC sign a memo indicating that the animal facilities were in good working order.
- 3) Prepare reports of the IACUC evaluations according to PHS Policy IV.B.3. and submit the reports to the Institutional Official. The IACUC procedures for developing reports and submitting them to the Institutional Official are as follows:
  1. Following the program review meeting and animal facility inspection, the chair writes a memo outlining each item discussed and the results of the animal facility inspection.
  2. The semi-annual report is signed by a majority of the IACUC, which indicates review and approval.

3. The signed memo is then sent as a PDF file via email to the Director of Research & Sponsored Programs and the Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies.
  4. The IACUC will approve of departures from the PHS Policy and the Guide by a majority vote of current IACUC members. For example, the Guide recommends group-housing of rats. However, the majority of IACUC members approve single-housing of rats if the rats had a surgical procedure that could be compromised by group-housing. These rats are housed singly for approximately 6 weeks, which is the duration of the study. At the end of the 6 weeks, if there is significant time period between the conclusion of the study and euthanasia, then rats are housed in pairs.
  5. During the program review and facilities inspection, if the IACUC determines that deficiencies exist, then the members of IACUC designate those as minor or significant, and a reasonable plan and schedule for correction of the deficiencies is created. In addition, the IACUC learns of incidents or deficiencies via information from the animal caretakers employed by the Psychology and Biology departments, or from the Principal Investigators themselves. When these are reported, the members of IACUC meet to determine if the incidence or deficiency qualifies as minor or significant, and then determine an appropriate action. The appropriate action could potentially include suspension of research activities until the deficiency is resolved. The semi-annual report to the Director of Research & Sponsored Programs and the Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies includes a description of the nature and extent of the Institutions adherence to the policies described in the Guide, including any minor or significant deficiencies along with plans and schedules for correcting each deficiency. In addition, if any minority views have been submitted to the IACUC, they are included in the report. The report is then signed by a majority of the IACUC members.
- 4) Review concerns involving the care and use of animals at the Institution. The IACUC procedures for reviewing concerns are as follows:
1. Currently, animal caretakers, the veterinarian, investigators, lab assistants, and students can anonymously report concerns to the IACUC via "comment boxes" placed in the animal laboratory areas. The comment boxes include instructions for how to report animal welfare concerns, including contact information for the chair of IACUC and the veterinarian. These instructions include reference to University Policy 6820 (Research Misconduct), which includes information on whistleblower policies, nondiscrimination against both the concerned and reporting parties, and protection from reprisals and/or retaliation. The comment boxes are checked daily by either animal caretakers, investigators, or the chair of IACUC.
  2. In addition, the IACUC webpage includes a report link to allow for anonymous reports/concerns to the IACUC. Anonymous reports are automatically sent to the Administrative Assistant in the Office of Research and Sponsored programs, who then forwards the concern to the IACUC chair.
  3. When the chair of IACUC receives a concern, he or she will call a meeting of the members of IACUC to discuss the concern and recommend/take appropriate action.
  4. A memo of that meeting is then sent to the Director of Research & Sponsored Programs and the Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies.
- 5) Make written recommendations to the Institutional Official regarding any aspect of the Institution's animal program, facilities, or personnel training. The procedures for making recommendations to the Institutional Official are as follows:
1. Following any meeting involving a reported concern about animal care and use, the chair of IACUC will write a memo describing the concerns, the discussion of the concern by IACUC members, and the recommendation or action taken by IACUC to resolve the concern.
  2. This memo is then signed by the members of IACUC present for the meeting.

- 6) Review and approve, require modifications in (to secure approval), or withhold approval of PHS-supported activities related to the care and use of animals according to PHS Policy IV.C.1-3.

The IACUC procedures for protocol review are as follows:

1. The chair of IACUC receives via email an electronic protocol application form.
2. The chair of IACUC then forwards the protocol application to all members of IACUC.
3. If the chair determines that the application is for a new protocol, then he or she will convene a quorum of members of IACUC for a full-committee review.
4. During a full-committee review, a majority of the quorum present will vote to either approve the protocol, require modifications to secure approval, or withhold approval. If the majority of the quorum vote to require modifications to secure approval, then a revised application is requested, and when received, the chair will send the revised application to the IACUC members again for another majority vote, using a full committee review at a convened meeting of a quorum of the IACUC to approve.
5. If the chair determines that the application is for a protocol renewal, then he or she will provide an opportunity for IACUC members to call for a full-committee review. If a full-committee review is not requested, then the chair will designate one or more members of IACUC as a designated reviewer. The designated reviewer will be notified and sent the application via email. The designated reviewer can then either approve the protocol, require modifications to secure approval, or refer to the full committee for review.
6. If a protocol renewal application is assigned to more than one designated reviewer, the reviewers must be unanimous in any decision. They will review identical versions of the protocol application, and if modifications are requested by any designated reviewer then the other reviewers must be aware of and agree to the modifications.
7. A protocol can be renewed for 2 one-year periods before it is again treated as a new protocol.
8. If the chair of IACUC is the individual submitting a protocol for review, then a designated sub-chair (approved by the members of IACUC) will coordinate the review of the protocol.
9. If a member of IACUC submits a protocol for review or are personally involved in the project, then he or she recuses themselves from the review of the protocol in order to avoid a conflict of interest. The BU-IACUC consists of 4 scientist members, which allows for a consistency of a quorum in the case that one of those scientist members recuses themselves from a protocol review.

- 7) Review and approve, require modifications in (to secure approval), or withhold approval of proposed significant changes regarding the use of animals in ongoing activities according to PHS Policy IV.C. The IACUC procedures for reviewing proposed significant changes in ongoing research projects are as follows:

1. If minor changes of previously approved activities are proposed, then the chair of IACUC will send the proposed changes to all members of IACUC and will provide an opportunity for any IACUC member to call for a full-committee review. If a full-committee review is not requested, then a designated reviewer chosen by the chair will review the proposed changes. This is conducted as described in Part III.D.6.
2. If significant changes of previously approved activities are proposed, then the chair will convene a quorum of IACUC members for a full-committee review and the normal process of a full-committee review will be followed as described in Part III.D.6.
3. Significant changes to approved protocols include changes from nonsurvival to survival surgeries, an increase in pain or distress to animals, changes in housing or use of animals, changes in species, changes in study objectives and/or investigators, changes that impact personnel safety, changes in anesthesia/analgesia/sedation/experimental procedures, and changes in the duration/frequency/type/number of procedures performed on an animal.

- 8) Notify investigators and the Institution in writing of its decision to approve or withhold approval of those activities related to the care and use of animals, or of modifications required to secure IACUC approval according to PHS Policy IV.C.4. The IACUC procedures to notify investigators and the Institution of its decisions regarding protocol review are as follows:
    1. Once an approval has been received from either a designated reviewer or from the full IACUC, the chair of IACUC will write a notice of protocol approval and send it as a PDF file via email to the investigators, the appropriate College Dean, the Director of Research & Sponsored Programs, and the Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies.
    2. If approval has been withheld via a majority vote from the IACUC, then the investigators are notified by the chair via email of the reasons for withholding approval and what changes need to be made to the proposed protocol before approval will be given. The investigators have an opportunity to respond either in writing or in person at a convened quorum of the IACUC.
  - 9) Conduct continuing review of each previously approved, ongoing activity covered by PHS Policy at appropriate intervals as determined by the IACUC, including a complete review at least once every 3 years according to PHS Policy IV.C.1.-5. The IACUC procedures for conducting continuing reviews are as follows:
    1. Protocols are approved for 1-year periods and can be renewed two times (for a total of three years).
    2. The chair of IACUC keeps a record of new and renewed protocols and determines when a protocol has reached the maximum amount of renewals.
    3. The chair of IACUC then informs the investigators associated with that protocol that they will need to submit the next application as a de-novo protocol which will be subject to a full-committee review. Investigators are notified by the chair of IACUC early enough to allow the investigators to submit the de-novo protocol application prior to the expiration of the existing approved protocol. The full committee review is then conducted as described in Part III.D.6.
    4. Ongoing activities covered by PHS are monitored via reporting from employed animal caretakers, the veterinarian, and self-report from the investigators.
  - 10) Be authorized to suspend an activity involving animals according to PHS Policy IV.C.6. The IACUC procedures for suspending an ongoing activity are as follows:
    1. The IACUC may suspend an activity only after review of the matter has taken place at a convened meeting of a quorum of the IACUC and with the suspension vote of a majority of the quorum present.
    2. The chair of IACUC informs the investigators in writing of the significant deficiencies in the research activity as determined by the members of IACUC, and the immediate suspension of that research activity until the deficiency has been resolved.
    3. This notification is also sent to the appropriate College Dean, Director of Research & Sponsored Programs, and the Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies. The Institutional Official will then review the reason for suspension with IACUC, take appropriate corrective action, and report that action with a full explanation to OLAW.
- E. The risk-based occupational health and safety program for personnel working in laboratory animal facilities and personnel who have frequent contact with animals is as follows:

The occupational health and safety program at the Institution involves medical evaluation of health history for high-risk employees as part of the risk assessment, and is monitored by the Office of Workplace Safety under the direction of the Safety Manager (currently Belinda Deleon). The Safety Manager attends the semi-annual IACUC program review meetings to help with planning and monitoring the program. This occupational health and safety program is based on risk assessment and hazard identification. Any employee identified as high-risk is enrolled in the program, including all individuals identified as having "significant animal contact". However, all employees are covered by the program, and any additional individuals

identified as high-risk (including maintenance, police and safety, security, housekeeping, students, and visiting faculty) are enrolled in the program.

Discussions between the Dean of Graduate Studies, Director of Research and Sponsored Programs, IACUC Chairperson, and the Bloomsburg University Safety Administrator of the Office of Workplace Safety resulted in the following definition for "significant animal contact":

Faculty, staff, or students who actively participate in any of the following activities would be considered to have "significant animal contact":

1. Contact and handling with multiple animals including exposure to animal feeding, waste collection, and/or animal facility cleaning;
2. Surgical procedures;
3. Drug administration via injection;
4. Blood and/or tissue collection;
5. Euthanasia procedures

Individuals who are identified by the IACUC as potentially having "significant animal contact" will be referred to the Office of Workplace Safety to be enrolled in the occupational health program for animal care and use. This program includes a medical evaluation by an occupational health physician at Mid-State Occupational Health Services, Inc. (Susquehanna Valley Medical Specialties, 6850 Lows Road, Suite 325B, Bloomsburg, PA 17815). A statement of clearance to have "significant animal contact" will be provided by Mid-State Occupational Health Services to the Office of Workplace Safety at Bloomsburg University. All records will be kept confidential. In addition, as tetanus vaccination is a requirement of the occupational health and safety program, it is also offered to individuals identified as high-risk, including all individuals with "significant animal contact".

Students enrolled in courses that involve occasional and limited animal contact, but do not meet the aforementioned definition of "significant animal contact", will be advised via faculty review of a course syllabi statement to see their physician if they have pre-existing conditions (e.g., allergies; respiratory disorders; pregnancy) that may be exacerbated by handling or interaction with animals.

In addition, institutional policies for personal hygiene, handling hazardous agents, and personnel protection equipment are in place under the Accident and Illness Prevention Program. These programs provide training in the area of zoonoses, allergies, and hazards, as well as precautions to be taken during personnel pregnancy, illnesses, and decreased immunocompetence. This training occurs in a classroom setting and documentation of training is required. Treatment for bites, scratches, illness, or injuries is available in each relevant laboratory in the form of first-aid kits, or via the local hospital (Geisinger-Bloomsburg Hospital) for severe illness or injury. The Office of Workplace Safety's webpage includes a link for a form used to report accidents, incidents, and/or injuries to the Office of Human Resources.

Finally, all Principal Investigators (PI) are responsible for providing in-person training to persons working in the lab, including undergraduate research students, where they cover all aspects of proper animal handling and care, including required laboratory protocols and experimental techniques, and relevant safety issues. Students are directly supervised by the PI until the student completes the training, and is able to transition to a more autonomous role. Also, the Principal Investigator working with research animals on projects receiving PHS funding completes the appropriate Collaborative Institutional Training Initiative (CITI) courses relevant to occupational health and safety. These online courses include: Animal Biosafety; Investigators, Staff and Students (relevant modules include Federal Mandates, Occupational Health and Safety, Using Hazardous and Toxic Agents in Animals, and Using Explosive Agents in the Animal Facility); and other modules, depending on the area of research. For example, Working with Rats in Research Settings (relevant modules include

Research Mandates and Occupational Health Issues). The PI assigns trainings to students/staff based on their role in the research.

- F. The total gross number of square feet in each animal facility (including each satellite facility), the species of animals housed there and the average daily inventory of animals, by species, in each facility is provided in the attached Facility and Species Inventory table.

*[Complete the Facility and Species Inventory table provided (see Part X.).*

- G. The training or instruction available to scientists, animal technicians, and other personnel involved in animal care, treatment, or use is as follows:
1. Currently, all members of IACUC are provided orientation materials, background materials, and appropriate resources (PDF copies of the Guide for the Care and Use of Laboratory Animals, the OLAW/ARENA IACUC Guidebook, and the approved Animal Welfare Assurance) by the chair of IACUC. Resource materials are also located on the IACUC Webpage.
  2. All members of IACUC must satisfactorily complete the modules of the CITI program that are relevant to serving on IACUC, specifically the CITI Course entitled "Essentials for IACUC Chairs, Members, and Coordinators". This course is required to be renewed every 3 years.
  3. In addition, all individuals (investigators, lab assistants, students) involved in the care and use of laboratory animals have various CITI Program modules available for training purposes. Investigators are required to provide in-person training to students, and assign additional CITI modules relevant to the research activity.
  4. One of these relevant CITI modules (Investigators, Staff and Students – Lab Animal Research) involves information on the 3 "R"s of research: reduction (limiting group size, using within-groups designs, employing simultaneous experiments), replacement (using computer models or cell and tissue cultures), and refinement (using updated anesthesia and surgical techniques). This information allows investigators to minimize the number of animals required to obtain valid results.

#### **IV. Institutional Program Evaluation and Accreditation**

All of this Institution's programs and facilities (including satellite facilities) for activities involving animals have been evaluated by the IACUC within the past 6 months and will be reevaluated by the IACUC at least once every 6 months according to PHS Policy IV.B.1.-2. Reports have been and will continue to be prepared according to PHS Policy IV.B.3. All IACUC semiannual reports will include a description of the nature and extent of this Institution's adherence to the PHS Policy and the *Guide*. Any departures from the *Guide* will be identified specifically and reasons for each departure will be stated. Reports will distinguish significant deficiencies from minor deficiencies. Where program or facility deficiencies are noted, reports will contain a reasonable and specific plan and schedule for correcting each deficiency. Semiannual reports of the IACUC's evaluations will be submitted to the Institutional Official. Semiannual reports of IACUC evaluations will be maintained by this Institution and made available to the OLAW upon request.

- (1) This Institution is Category 1 — accredited by the [Association for Assessment and Accreditation of Laboratory Animal Care International \(AAALAC\)](#). As noted above, reports of the IACUC's semiannual evaluations (program reviews and facility inspections) will be made available upon request. A copy of the previous program review and facility inspection is submitted for review.

#### **V. Recordkeeping Requirements**

- A. This Institution will maintain for at least 3 years:
1. A copy of this Assurance and any modifications made to it, as approved by the PHS
  2. Minutes of IACUC meetings, including records of attendance, activities of the committee, and committee deliberations

3. Records of applications, proposals, and proposed significant changes in the care and use of animals and whether IACUC approval was granted or withheld
  4. Records of semiannual IACUC reports and recommendations (including minority views) as forwarded to the Institutional Official, Heather S. Feldhaus (Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies)
  5. Records of accrediting body determinations
- B. This Institution will maintain records that relate directly to applications, proposals, and proposed changes in ongoing activities reviewed and approved by the IACUC for the duration of the activity and for an additional 3 years after completion of the activity.
- C. All records shall be accessible for inspection and copying by authorized OLAW or other PHS representatives at reasonable times and in a reasonable manner.

## **VI. Reporting Requirements**

- A. The Institutional reporting period utilized previously was the calendar year (January 1 – December 31). However, the Annual Report to OLAW for the year 2020 will harmonize with the USDA reporting period, which is October 1 through September 30th, being due to OLAW by December 1st. Therefore, the Annual Report to OLAW for Fiscal Year 2020, will cover the reporting period of January 1, 2020 to September 30, 2020 (a partial year) and will be submitted to OLAW by December 1, 2020. In subsequent years, the Annual Report will cover the period, October 1, 2020 to September 30, 2021, with a submission to OLAW by December 1, 2021. The IACUC, through the Institutional Official, will submit an annual report to OLAW by December 1st of each year. The annual report will include:
1. Any change in the accreditation status of the Institution (e.g., if the Institution obtains accreditation by AAALAC or AAALAC accreditation is revoked)
  2. Any change in the description of the Institution's program for animal care and use as described in this Assurance
  3. Any change in the IACUC membership
  4. Notification of the dates that the IACUC conducted its semiannual evaluations of the Institution's program and facilities (including satellite facilities) and submitted the evaluations to the Institutional Official, Heather S. Feldhaus (Associate Vice Provost for Research & Sponsored Programs & Dean of Graduate Studies).
  5. Any minority views filed by members of the IACUC
- B. The IACUC, through the Institutional Official, will promptly provide OLAW with a full explanation of the circumstances and actions taken with respect to:
1. Any serious or continuing noncompliance with the PHS Policy
  2. Any serious deviations from the provisions of the *Guide*
  3. Any suspension of an activity by the IACUC
- C. Reports filed under VI.A. and VI.B. above should include any minority views filed by members of the IACUC.

**VII. Institutional Endorsement and PHS Approval**

<b>A. Authorized Institutional Official</b>	
Name: Heather S. Feldhaus	
Title: Interim Associate Vice Provost for Research and Sponsored Programs	
Name of Institution: Bloomsburg University of Pennsylvania	
Address: <i>(street, city, state, country, postal code)</i> 212 Centennial Hall 400 E. 2 <sup>nd</sup> St. Bloomsburg, PA 17815	
Phone: 570-389-4214	Fax: 570-389-3054
E-mail: <a href="mailto:hfeldhau@bloomu.edu">hfeldhau@bloomu.edu</a>	
Acting officially in an authorized capacity on behalf of this Institution and with an understanding of the Institution's responsibilities under this Assurance, I assure the humane care and use of animals as specified above.	
Signature:	
Heather S. Feldhaus Da	Digitally signed by Heather S. Feldhaus Date: 2021.02.18 12:56:44 -05'00'

<b>B. PHS Approving Official</b> <i>(to be completed by OLAW)</i>	
<p>Venita B. Thornton, DVM, MPH Senior Assurance Officer Office of Laboratory Animal Welfare (OLAW) National Institutes of Health 6700B Rockledge Drive Suite 2500 - MSC 6910 Bethesda, Maryland 20892 Email: <a href="mailto:thorntov@od.nih.gov">thorntov@od.nih.gov</a> Phone: (301) 451-4208 Fax: (301) 480-3421</p>	
Signature:	Date: February 19, 2021
Assurance Number: D17-00990	
Effective Date: February 19, 2021	Expiration Date: January 31, 2025

### VIII. Membership of the IACUC

Date: 9/29/2020			
Name of Institution: Bloomsburg University of Pennsylvania			
Assurance Number: D17-00990			
<b>IACUC Chairperson</b>			
Name*: Dr. Candice M. Klingerman			
Title*: Associate Professor, Biology and Allied Health Sciences; Scientist			Degree/Credentials*: Ph.D.
Address*: (street, city, state, zip code) 400 E. 2 <sup>nd</sup> St. Bloomsburg, PA 17815			
E-mail*: <a href="mailto:cklinger@bloomu.edu">cklinger@bloomu.edu</a>			
Phone*: 570-389-4219		Fax*: 570-389-3054	
<b>IACUC Roster</b>			
Name of Member/ Code**	Degree/ Credentials	Position Title***	PHS Policy Membership Requirements****
Kevin T. Ball	Ph.D.	Professor, Psychology	Scientist
William L. Coleman	Ph.D.	Associate Professor, Biology & Allied Health Sciences	Scientist
Eric M. Stouffer	Ph.D.	Professor, Psychology	Scientist
Pamela J. Frenz	D.V.M	Veterinarian	Veterinarian
Sadie S. Hauck	M.A.	Director, Research & Sponsored Programs	Non-Scientist
Kylie Neiderhiser Jeffrey	D.C.	Chiropractor	Non-affiliated

\* This information is mandatory.

\*\* Names of members, other than the chairperson and veterinarian, may be represented by a number or symbol in this submission to OLAW. Sufficient information to determine that all appointees are appropriately qualified must be provided and the identity of each member must be readily ascertainable by the institution and available to authorized OLAW or other PHS representatives upon request.

\*\*\* List specific position titles for all members, including nonaffiliated (e.g., banker, teacher, volunteer fireman; not "community member" or "retired").

\*\*\*\* [PHS Policy](#) Membership Requirements:

*Veterinarian*      veterinarian with training or experience in laboratory animal science and medicine or in the use of the species at the institution, who has direct or delegated program authority and responsibility for activities involving animals at the institution.

*Scientist*            practicing scientist experienced in research involving animals.

*Nonscientist*        member whose primary concerns are in a nonscientific area (e.g., ethicist, lawyer, member of the clergy).

*Nonaffiliated*        individual who is not affiliated with the institution in any way other than as a member of the IACUC, and is not a member of the immediate family of a person who is affiliated with the institution. This member is expected to represent general community interests in the proper care and use of animals and should not be a laboratory animal user. A consulting veterinarian may not be considered nonaffiliated.

[*Note: all members must be appointed by the CEO (or individual with specific written delegation to appoint members) and must be voting members. Non-voting members and alternate members must be so identified.*]

## IX. Other Key Contacts (optional)

If there are other individuals within the Institution who may be contacted regarding this Assurance, please provide information below.

<b>Contact #1</b>	
Name:	Sadie Hauck
Title:	Director, Research and Sponsored Programs
Phone:	570-389-4208
E-mail:	<a href="mailto:shauck@bloomu.edu">shauck@bloomu.edu</a>
<b>Contact #2</b>	
Name:	
Title:	
Phone:	
E-mail:	

