MEMORANDUM FOR ST/SGVUS
ATTN: DR. ANNEKE C. BUSH

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled *What to Consider for Animal Research* presented at Resident Research Fundamentals Course (Gateway Club), JBSA- Lackland TX, 27 Oct 16 in accordance with MDWI 41-108, has been approved and assigned local file #16382.

2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.

3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.

4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

LINDA STEEL-GOODWIN, Col, USAF, BSC
Director, Clinical Investigations & Research Support

Warrior Medics – Mission Ready – Patient Focused
**PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS**

1. TO: CLINICAL RESEARCH  
2. FROM: (Author's Name, Rank, Grade, Office Symbol)  
   Anneke C. Bush, GS-14, 59 MDW/ST/SGVUS  
3. GME/GHSE STUDENT:  
   [ ] YES  [ ] NO  
4. PROTOCOL NUMBER:  

5. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.)

6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED:  
   What to Consider for Animal Research

7. FUNDING RECEIVED FOR THIS STUDY?  
   [ ] YES  [ ] NO  
   FUNDING SOURCE:

8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES?  
   [ ] YES  [ ] NO

9. IS THIS MATERIAL CLASSIFIED?  
   [ ] YES  [ ] NO

10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (MTA), INTELLIGENT PROPERTY RIGHTS AGREEMENT ETC.?  
    [ ] YES  [ ] NO
    NOTE: If the answer is YES then attach a copy of the Agreement to the Publications/Presentations Request Form.

11. MATERIAL IS FOR:  
   [ ] DOMESTIC RELEASE  [ ] FOREIGN RELEASE
   CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED
   
   11a. PUBLICATION/JOURNAL (List intended publication/journal.)
   [ ]
   
   11b. PUBLISHED ABSTRACT (List intended journal.)
   [ ]
   
   11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)
   [ ]
   
   11d. PLATFORM PRESENTATION (At civilian institutions: name of meeting, state, and date of meeting.)
   [ ]
   
   11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)
   [ ]

   Resident Research Fundamentals Course (Gateway Club), JB5A-Lackland Tx, 27 Oct 16

12. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC  
    NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).

   DATE:
   N/A

13. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)
   Lopez, Raquel, L.. raquel.lopez.2.ctr@us.af.mil

14. DUTY PHONE/PAGER NUMBER
   210-292-3366

15. AUTHORSHIP AND CO-AUTHOR(S). List in the order they will appear in the manuscript.
   LAST NAME, FIRST NAME AND M.I.  GRADE/RANK  SQUADRON/GROUP/OFFICE SYMBOL  INSTITUTION (If not 59 MDW)
   a. Primary/Corresponding Author
      Anneke C. Bush  GS-14  59 MDW/ST/SGVUS
   b. 
   c. 
   d. 
   e. 
   f. 


17. AUTHOR'S PRINTED NAME, RANK, GRADE
   Anneke C. Bush, GS-14

18. DATE
   27 OCT 16

19. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE
   [ ]

20. APPROVING AUTHORITY'S SIGNATURE
   [ ]

21. DATE
   27 OCT 16

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59th Clinical Research Division
Wilford Hall Ambulatory Surgical Center

Animal Use Program

27 Oct 2016
Dr. Anneke C. Bush

"In the Name of Humanity"

CRD Capabilities

• AAALACI Accredited Vivarium
• 25K sq. ft. Facility
• 31K sq. ft. Paddock
• WHSC IACUC

• AFMS IRB
• 1 Radiology Suite
• 3 Surgery Suites
• DaVinci Robotic Trg Suite
• State-of-the-Art Lab

• Facility/Vivarium/Staff

Personnel

• (1) DVM - DACLAM, MPH
• (1) DVM - Certified by American College of Veterinary Pathology - 7 years Veterinary Pathology experience
• (1) PhD, Aerospace Physiology (IRB Administrator)
• (1) ScD, MHS Statistical Consultant/Epidemiology (IACUC Administrator)
• (1) Registered Nurse Anesthesia Specialist
• (1) PhD Chemist
• (1) PhD Biochemist (Director, Research QA/QI)
• (1) PhD Biologist with emphasis in Neurology
• (8) MS Degree - 10-30 years research experience
Personnel

- (1) Surgical Supervisor - 33 years of OR experience
- (1) Biological Animal Technician - 20+ years OR experience
- (1) Instron/Hyper/Hypobaria Technician - 20+ years of medical veterinary experience
- (1) Certified Laboratory Animal Technician (AAALAS)
- (2) Certified/Registered Laboratory Animal Technologists (AAALAS)
- (5) Certified Clinical Laboratory Technologist
- (3) Active Duty Surgical Techs (4N1)
- (5) Civilian Surgical Techs
- (4) Active Duty Medical Admin Techs; (6) Civilian Admin Techs

Accreditation/Assurances

Animal Program

- Association For Assessment And Accreditation of Laboratory Animal Care International (AAALAC) Accredited
  - Last Visit – 15 June 2016 (Due Every 36 Months)
  - CRD hailed as a "A Best Practice Site"
  - "Emeritus Status" for 21 consecutive years (no major findings)
- PHS Assurance
  - Only Air Force Facility with OLAW (PHS) Assurance
  - Allows us to accept PHS funding for clinical investigations

Site Visits

- Animal Research Protection Program Compliance SAV – Bi-Annual by AF Medical Support Agency/SGE-C
  - SAV Pending - TBD FY17
- AAALAC – triennial accreditation site visit
  - 15 June 2016

Animal Use Program

- Facility/Vivarium/Staff
- IACUC – Institutional Animal Care & Use Committee
Subject Protection
Program Responsibilities

- Protection of Animal Research Subjects/IACUC
  - Set animal use policy
  - Review, modify, approve/disapprove all animal use protocols
  - Ensure training for all personnel working with animals

IACUC Requirements

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Institutional Animal Care and Use Committee

- IACUC must follow PHS Policy on Humane Care and Use of Laboratory Animals and the Animal Welfare Act USDA Title 7, Ch 2131, 9 CFR parts 1-4
- DoD 3216.01 Use of Laboratory Animals in DoD Programs
- Accreditation by the Association for the Assessment and Accreditation of Laboratory Animal Care International (AAALAC)
- Reports directly to the Institutional Official (IO)
- Second Level Review at SG level

IACUC Responsibilities

- Responsible for the Oversight and Evaluation of the Institution's Laboratory Animal Care and Use Program
  - Review the institution's program for Humane Care and Use of Animals
  - Inspect all the institution's animal facilities semi-annually
  - Submit reports of IACUC evaluations to the IO
  - Review concerns involving care and use of animals
  - Make recommendations to the IO regarding any aspect of the program
  - Review and approve, require modifications (to secure approval) or withhold approval of activities involving animals (research or training protocols)
**IACUC Responsibilities (cont.)**

- Review and approve, require modifications (to secure approval) or withhold approval of proposed significant changes (protocol amendments)
- Suspend an activity involving animals
- Ensure personnel who use or care for animals are properly trained
- Ensure there is an adequate Occupational Health and Safety Program

**Animal Use Program**

- Facility/Vivarium/Staff
- IACUC – Institutional Animal Care & Use Committee
- Investigators

**Animal Research Protocol Requirements**

- PIs and AIs must complete the Animal Care and Use courses located on the AAALAS Learning Library prior to doing animal research
- PIs must consult the CRD veterinarian, Dr. Dawn Harris, for assistance in protocol development prior to submission to the IACUC
- Templates are available from the protocol office staff

**Animal Research Protocol Requirements**

- Standard DoD Animal Use Protocol
  - May have facility specific language
  - Cover sheet with Signatures
  - Non-technical synopsis
  - Literature reviews
    - Search for duplication of effort
    - Search for alternatives to painful procedures
  - Study Hypothesis, design, statistical review
  - Veterinary considerations including pain management and study endpoints
  - Table of qualifications of investigators
Animal Research Protocol

Life Cycle

- IACUC Submission Deadlines
- Pre-review process
- IACUC review and approval
- Second level approval, if applicable
- Funding and scheduling
- Annual Reviews
- Triennial de novo review
- Final Report

Points of Contact

- Col Linda Steel-Goodwin, Division Chief & Institutional Official 292-7068
- Dr. L. Dawn Harris, DVM, MPH, DACLAM Laboratory Animal Medical Officer 292-2771
- Dr. Anneke Bush, ScD, MHS, IACUC Chair 292-7295
- Mrs. Maria Dominguez 292-6095
- Ms. Jessica Mercado 292-2977
- Ms. Rachel Montez 292-4683

Questions?

"If we knew what it was we were doing, it would not be called research, would it?"
- Albert Einstein