



DEPARTMENT OF THE AIR FORCE  
59TH MEDICAL WING (AETC)  
JOINT BASE SAN ANTONIO - LACKLAND TEXAS

24 MAR 2016

MEMORANDUM FOR SGVU  
ATTN: ERICA DEAN

FROM: 59 MDW/SGVU

SUBJECT: Professional Presentation Approval

1. Your paper, entitled **Use of Miniature Marshmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working With Sinclair Miniature Swine** presented at **Panel Session at AALAS 67<sup>th</sup> National Meeting, Charlotte, NC 30 Oct – 3 Nov 2016** with MDWI 41-108, and has been assigned local file #**16129**.
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

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

**PROCESSING OF PROFESSIONAL MEDICAL RESEARCH PUBLICATIONS/PRESENTATIONS**

<b>TO:</b> Clinical Research Division/SGVU (59 MDW/SGVU)	<b>FROM:</b> Author's Name, Rank, Grade, Office Symbol Erica Dean, GS-11, SGVUO	<b>PROTOCOL NUMBER:</b> FWH20130026A
--	--	---

**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.]**  
 GENERAL PROTOCOL FOR HOLDING ANIMALS IN A "POOL" AT WHMC/CRD PENDING ASSIGNMENT TO A RESEARCH OR TRAINING PROTOCOL, AND ADDITIONAL ANIMALS ASSIGNED FOR USE IN TRAINING OF TECHNICIANS WORKING IN THE OPERATIONS BRANCH OF CRD

**1. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED**  
 Use of Miniature Marshmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working With Sinclair Miniature Swine

**2. FUNDING RECEIVED FOR THIS STUDY?**  YES  NO **FUNDING SOURCE:**

**3. IS THIS MATERIAL CLASSIFIED?**  YES  NO

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

**5. MATERIAL IS FOR (Check appropriate box or boxes for approval with this request.)**  DOMESTIC RELEASE  FOREIGN RELEASE  
 (ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED)

- PUBLICATION/JOURNAL (List intended publication/journal)
- PUBLICATION ABSTRACT (List intended journal.)
- POSTER (To be demonstrated at meeting/Name of Meeting, City, State, and Date of Meeting)
- PLATFORM PRESENTATION (At civilian institutions/Name of Meeting, State, Date of Meeting)
- OTHER (Describe: Name of Meeting, City, State, and Date of Meeting)  
 Panel Session at AALAS 67th National Meeting, Charlotte, NC, October30-November3 2016

**6. WHAT IS THE EXPECTED DATE YOUR PRESENTATION/PUBLICATION WILL BE SUBMITTED TO THE DEFENSE TECHNICAL INFORMATION CENTER (DTIC)?** Apr 22, 2016

**POINT OF CONTACT**

<b>7. WHO IS THE PRIMARY 59 MDW POINT OF CONTACT? (Last, First, MI.) (Include email)</b> Dean, Erica, L (erica.dean.5@us.af.mil)	<b>DUTY PHONE/PAGER No.</b> 210-292-2962
---	---

**AUTHORSHIP AND CO-AUTHOR(S) (List in the order they will appear in the manuscript)**

LAST NAME, FIRST NAME AND MI.	GRADE/RANK	SQUADRON/GROUP/OFFICE SYM	INSTITUTION (if not 59 MDW)
a. Primary/corresponding author Dean, Erica L.	GS-11	AETC/59CRD/SGVUO	
b.			
c.			
d.			
e.			
f.			
g.			

**I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401\_IP AND 59 MDW 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.**

<b>AUTHOR'S PRINTED NAME/RANK/GRADE</b> Erica Dean GS-11	<b>AUTHOR'S SIGNATURE</b> DEAN.ERICA.L.1457922155 <small>(Digitally signed by ERICA L DEAN, DN: cn=ERICA L DEAN, o=US AIR FORCE, ou=AFMPC, email=ERICA.L.DEAN@AFMPC.AF.MIL, c=US)</small>	<b>DATE</b> Mar 10, 2016
<b>APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE</b> Todd A. Brown, GS-11	<b>APPROVING AUTHORITY'S SIGNATURE</b> BROWN.TODD.A.1132831250 <small>(Digitally signed by TODD A BROWN, DN: cn=TODD A BROWN, o=US AIR FORCE, ou=AFMPC, email=TODD.A.BROWN@AFMPC.AF.MIL, c=US)</small>	<b>DATE</b> Mar 10, 2016

**PROCESSING OF PROFESSIONAL MEDICAL RESEARCH PUBLICATIONS/PRESENTATIONS**

**1st INDORSEMENT (SGVU Use Only)**

TO: Clinical Research Division (59 MDW/SGVU) (Contact 292-7141 for email instructions)	1. DATE RECEIVED	2. ASSIGNED PROCESSING REQUEST FILE NUMBER
	3/11/2016	16129
3. DATE REVIEWED	4. DATE FORWARDED TO PA	

5. AUTHOR CONTACTED FOR RECOMMENDED OR NECESSARY CHANGES  
 NO     YES If yes give date:     N/A

6. COMMENTS  
 APPROVED     DISAPPROVED

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	DATE	SIGNATURE OF REVIEWER
Linda D. Harris, GS 14 Ops Chief	15 mar 16	<i>Linda Harris</i>

**2nd INDORSEMENT (PA Use Only)**

TO: 59 MDW OFFICE OF PUBLIC AFFAIRS (PA)	1. DATE RECEIVED	2. DATE FORWARDED TO 59 MDW/SGVU
	23 March 2016	23 March 2016

6. COMMENTS  APPROVED (In compliance with security and policy review directives.)     DISAPPROVED

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	DATE	SIGNATURE OF REVIEWER
Christopher Carwile, TSgt/E-6, NCOIC, PA	23 March 2016	CARWILE CHRISTOPHER STEWART.1280477229 <small>Digitally signed by CARWILE CHRISTOPHER STEWART.1280477229  DN: cn=US, o=U.S. Government, ou=DoD, ou=PKI,  ou=USAF,  cn=CARWILE CHRISTOPHER STEWART.1280477229  Date: 2016.03.23 14:32:46 -0500</small>

**3rd INDORSEMENT (SGVU Use Only)**

TO: 59 MDW/SGVU	1. DATE RECEIVED
2. SENIOR AUTHOR NOTIFIED BY PHONE OF APPROVAL OR DISAPPROVAL: <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Could not be reached <input type="checkbox"/> Left message	
3. DATE WRITTEN NOTICE OF APPROVAL AND CLEARANCE MAILED TO AUTHOR: _____	

4. COMMENTS     APPROVED     DISAPPROVED

PRINTED NAME, RANK/GRADE, TITLE OF REVIEWER	SIGNATURE OF REVIEWER	DATE

## Use of Miniature Marshmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working With Sinclair Miniature Swine

E. Dean

59<sup>th</sup> Clinical Research Division, Joint Base San Antonio Lackland, San Antonio, TX

"The views expressed are those of the authors and do not reflect the official views or policy of the Department of Defense or its Components. The experiments reported herein were conducted according to the principles set forth in the *National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals* and the *Animal Welfare Act of 1966, as amended.*" This is original work done by the author.

We are constantly being asked to do more with less- more research studies with more animals to care for but with less time and fewer employees. How do we continue to keep our quality of care top notch while still meeting the desired pace? Enrichment is the answer. Enrichment reduces animal and employee stress, enhances safety, and increases facility efficiency. Our facility has found Sinclair Miniature Swine are calmer and less stressed if they are provided extra human interaction and enrichment during their acclimation period. At first glance the initial cost of employee time may appear prohibitive but the resultant savings are priceless. Sinclair Miniature Swine familiar with people and mini-marshmallows are easily trained to perform simple husbandry behaviors such as standing still or walking from one cage to another. These behaviors minimize the need for physical handling thereby reducing stress, decreasing procedure time, and enhancing safety. Everyone wins with enrichment.



DEPARTMENT OF THE AIR FORCE  
AIR EDUCATION AND TRAINING COMMAND

21 March 2016

MEMORANDUM FOR AETC/59CRD/SGVUO

FROM: 502 ISG/JA

SUBJECT: Ethics Review for Presentation Approval Request

1. The abstract titled ""Use of Miniature Marchmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working with Sinclair Miniature Swine"" was submitted for legal review. There are no apparent conflicts of interests and the abstract includes the required disclaimer. This abstract may be presented at the society meeting.
2. **FACTS:** The abstract titled ""Use of Miniature Marchmallows to Reduce Stress, Enhance Safety, and Increase Efficiency When Working with Sinclair Miniature Swine"" was submitted by Ms. Erica Dean. Ms. Dean is a member of AETC/59CRD/SGVUO. Ms. Dean plans to present this research at the 67th National Meeting of the American Association for Laboratory Animal Science (AALAS) in Chorlotte, NC on 30 October - 3 November, 2016.
3. **LAWS AND REGULATIONS:** DoD 5500.07-R, Joint Ethics Regulation (JER), section 3-305 lays out rules governing ""Teaching, Speaking and Writing."" If the abstract will include the service member's rank or title and ""deal in significant part with any ongoing or announced policy, program or operation"" of the Air Force, the presenter is required to include a disclaimer that states the ""views presented are those of the speaker or author and do not necessarily represent the views of DoD or its Components.""
4. **ANALYSIS:** The abstract deals ""in significant part with any ongoing or announced policy, program or operation"" of the Air Force. The author's affiliation and/or rank will be included in the abstract, and the case study information was obtained as part of military medical practice. Ms. Dean properly includes the required disclaimer that the views presented are those of the author and do not necessarily represent the views of DoD or its Components on the abstract. Any resultant poster, slide or oral presentation must also include the required disclaimer. A Public Affairs review will be needed if it has not already been obtained. There are no apparent conflicts of interest that would prohibit presentation of this research at this professional meeting.

**5. CONCLUSION:** The abstract presented for review included the disclaimer required by the JER. There do not appear to be any conflicts of interest. Any poster, slide or verbal presentation must also include disclaimer language. If you have any questions, please call the undersigned at 671-3365.



JESSE BOLAÑOS  
Legal Intern

I concur.



ARLENE R. CHRISTILLES  
Chief, Civil Law