



HUMBOLDT STATE UNIVERSITY

Institutional Review Board for the Protection of Human Subjects

707-826-5165 | irb@humboldt.edu | www.humboldt.edu/human_subjects

MEMORANDUM

Date: 4/3/2017
To: Jing Shao
Kristen Nawn
From: Amber Gaffney
Institutional Review Board for the Protection of Human Subjects
IRB #: IRB 16-227
Subject: Searching for Standards in Human Remains Detection Dog Training

Thank you for submitting your application to the Committee for the Protection of Human Subjects in Research. After reviewing your proposal I have determined that your research can be categorized as Exempt by Federal Regulation 45 CFR 46.101 (b) because of the following:

Your research will involve the use of educational tests (cognitive, diagnostic, aptitude, achievement), survey procedures, interviews procedures or observation of public behavior, and that information obtained will be recorded in a manner that the human subjects will not be able to be identified directly, or through identifiers linked to the subjects; and any disclosure of the human subjects' responses outside the research would not reasonably place the subjects at risk of criminal or civil liability or be damaging to the subjects' financial standing, employability, or reputation.

The Exempt designation of this proposal will expire on **4/2/2018**. By Federal Regulations, all research related to this protocol must stop on the expiration date and the IRB cannot extend a protocol that is past the expiration date. In order to prevent any interruption in your research, please submit a renewal application in time for the IRB to process, review, and extend the Exempt designation (at least one month).

Important Notes:

- Any alterations to your research plan must be reviewed and designated as Exempt by the IRB prior to implementation.
 - Change to survey questions
 - Number of subjects
 - Location of data collection,
 - Any other pertinent information
- If Exempt designation is not extended prior to the expiration date, investigators must stop all research related to this proposal.
- Any adverse events or unanticipated problems involving risks to subjects or others must be reported immediately to the IRB (irb@humboldt.edu).

cc: Faculty Adviser (if applicable)
Institutional Review Board for the Protection of Human Subjects

The California State University

Bakersfield • Channel Islands • Chico • Dominguez Hills • East Bay • Fresno • Fullerton • Humboldt • Long Beach • Los Angeles • Maritime Academy • Monterey Bay
• Northridge • Pomona • Sacramento • San Bernardino • San Diego • San Francisco • San Jose • San Luis Obispo • San Marcos • Sonoma • Stanislaus



HUMBOLDT STATE UNIVERSITY

Institutional Review Board for the Protection of Human Subjects

707-826-5165 | irb@humboldt.edu | www.humboldt.edu/human_subjects

MEMORANDUM

Date: 9/21/2017
To: Marissa A Ramsier
Kristen Nawn
From: Susan Brater
Institutional Review Board for the Protection of Human Subjects
IRB #: IRB 17-043
Subject: Sniffing Out Decomposition: Testing the Reliability to Human Remains Detection Dogs

Thank you for submitting your application to the Committee for the Protection of Human Subjects in Research. After reviewing your proposal I have determined that your research can be categorized as Exempt by Federal Regulation 45 CFR 46.101 (b) because of the following:

Your research will involve the use of educational tests (cognitive, diagnostic, aptitude, achievement), survey procedures, interviews procedures or observation of public behavior, and that information obtained will be recorded in a manner that the human subjects will not be able to be identified directly, or through identifiers linked to the subjects; and any disclosure of the human subjects' responses outside the research would not reasonably place the subjects at risk of criminal or civil liability or be damaging to the subjects' financial standing, employability, or reputation.

The Exempt designation of this proposal will expire on **9/20/2018**. By Federal Regulations, all research related to this protocol must stop on the expiration date and the IRB cannot extend a protocol that is past the expiration date. In order to prevent any interruption in your research, please submit a renewal application in time for the IRB to process, review, and extend the Exempt designation (at least one month).

Important Notes:

- Any alterations to your research plan must be reviewed and designated as Exempt by the IRB prior to implementation.
 - Change to survey questions
 - Number of subjects
 - Location of data collection,
 - Any other pertinent information
- If Exempt designation is not extended prior to the expiration date, investigators must stop all research related to this proposal.
- Any adverse events or unanticipated problems involving risks to subjects or others must be reported immediately to the IRB (irb@humboldt.edu).

cc: Faculty Adviser (if applicable)
Institutional Review Board for the Protection of Human Subjects

The California State University

Bakersfield • Channel Islands • Chico • Dominguez Hills • East Bay • Fresno • Fullerton • Humboldt • Long Beach • Los Angeles • Maritime Academy • Monterey Bay
• Northridge • Pomona • Sacramento • San Bernardino • San Diego • San Francisco • San Jose • San Luis Obispo • San Marcos • Sonoma • Stanislaus



HUMBOLDT STATE UNIVERSITY

Institutional Review Board for the Protection of Human Subjects

707-826-5165 | irb@humboldt.edu | www.humboldt.edu/human_subjects

MEMORANDUM

Date: 1/25/2018
To: Marissa A Ramsier
Kristen Nawn
From: Susan Brater
Institutional Review Board for the Protection of Human Subjects
IRB #: IRB 17-115
Subject: Sniffing Out Decomposition: Testing the Reliability of Human Remains Detection Dogs

Thank you for submitting your application to the Committee for the Protection of Human Subjects in Research. After reviewing your proposal I have determined that your research can be categorized as Exempt by Federal Regulation 45 CFR 46.101 (b) because of the following:

Your research will involve the use of educational tests (cognitive, diagnostic, aptitude, achievement), survey procedures, interviews procedures or observation of public behavior, and that information obtained will be recorded in a manner that the human subjects will not be able to be identified directly, or through identifiers linked to the subjects; and any disclosure of the human subjects' responses outside the research would not reasonably place the subjects at risk of criminal or civil liability or be damaging to the subjects' financial standing, employability, or reputation.

The Exempt designation of this proposal will expire on **1/24/2019**. By Federal Regulations, all research related to this protocol must stop on the expiration date and the IRB cannot extend a protocol that is past the expiration date. In order to prevent any interruption in your research, please submit a renewal application in time for the IRB to process, review, and extend the Exempt designation (at least one month).

Important Notes:

- Any alterations to your research plan must be reviewed and designated as Exempt by the IRB prior to implementation.
 - Change to survey questions
 - Number of subjects
 - Location of data collection,
 - Any other pertinent information
- If Exempt designation is not extended prior to the expiration date, investigators must stop all research related to this proposal.
- Any adverse events or unanticipated problems involving risks to subjects or others must be reported immediately to the IRB (irb@humboldt.edu).

cc: Faculty Adviser (if applicable)
Institutional Review Board for the Protection of Human Subjects

The California State University

Bakersfield • Channel Islands • Chico • Dominguez Hills • East Bay • Fresno • Fullerton • Humboldt • Long Beach • Los Angeles • Maritime Academy • Monterey Bay
• Northridge • Pomona • Sacramento • San Bernardino • San Diego • San Francisco • San Jose • San Luis Obispo • San Marcos • Sonoma • Stanislaus

OCT 13 2017

College of Natural Resources & Sciences
Humboldt State University

HUMBOLDT STATE UNIVERSITY

Revision

INSTITUTIONAL ANIMAL CARE AND USE PROTOCOL FOR THE HUMANE CARE AND USE OF LIVE VERTEBRATE ANIMALS

This box is for the review of the use by the Institutional Animal Care and Use Committee.
Authors should not write or type inside the borders of the box.

Date 1st Received: 9/19/17 Revision 1 Date: 10/13/17 Revision 2 Date: _____ No. 17118.A.22-E

- E- Procedures are exempt from full IACUC review because they are purely observational, non-invasive, and produce no perceptible discomfort or they concern only the use of tissues from dead animals. To be considered exempt, tissues from dead animals must be obtained from animals euthanized or otherwise killed by means, and for purposes, unrelated to the proposed project. The procedure may be approved by the Chair one additional member of the IACUC.
- A- Procedures will be minimally invasive or produce relatively little discomfort. Protocols may involve, bleeding, injections, minimal sampling, anesthesia or humane euthanasia without prior invasive manipulation. The procedure may be approved by the Chair and two additional members of the IACUC. Project topics will be reviewed by the IACUC at the next scheduled meeting.
- B- Procedures will involve prolonged manipulation or be invasive. Protocols may involve surgical or other stimuli inducing pain or distress, but all pain or distress will be mitigated with appropriate anesthetics or analgesics. The procedure may be initially approved by the Chair, the Campus Veterinarian and one additional member of the IACUC. Protocols will be reviewed by the IACUC at the next scheduled meeting.
- C- Procedures will be invasive and may cause prolonged physiological or psychological stress. Pain, considerable distress, or discomfort may be induced and not mitigated by anesthesia or adequate analgesia (e.g. LD50 experiments, long-term food or water deprivation, etc.). These protocols will be reviewed thoroughly by the IACUC prior to commencement of the project.

Requires Health Assurance Yes No

Clair Watt for Gretchen Ziegler 10/16/17
Signature, IACUC Member (via email) Date
see attached

Approved Denied

Signature, IACUC Member Date

Approved Denied

Signature, Campus Veterinarian (if necessary) Date

Approved Denied

[Signature] 10-18-17
Signature, IACUC Chair Date

Approved Denied

Final Committee Decision. All protocols must be approved prior to the start of research.

JAN 26 2018

College of Natural Resources & Sciences
Humboldt State University

HUMBOLDT STATE UNIVERSITY
**INSTITUTIONAL ANIMAL CARE AND USE PROTOCOL
FOR THE HUMANE CARE AND USE OF LIVE VERTEBRATE ANIMALS**

**This box is for the review of the use by the Institutional Animal Care and Use Committee.
Authors should not write or type inside the borders of the box.**

Date 1st Received: 1/26/18 Revision 1 Date: _____ Revision 2 Date: _____ No. 17/18 A. 49-A

- () E- Procedures are exempt from full IACUC review because they are purely observational, non-invasive, and produce no perceptible discomfort or they concern only the use of tissues from dead animals. To be considered exempt, tissues from dead animals must be obtained from animals euthanatized or otherwise killed by means, and for purposes, unrelated to the proposed project. The procedure may be approved by the Chair one additional member of the IACUC.
- () A- Procedures will be minimally invasive or produce relatively little discomfort. Protocols may involve, bleeding, injections, minimal sampling, anesthesia or humane euthanasia without prior invasive manipulation. The procedure may be approved by the Chair and two additional members of the IACUC. Project topics will be reviewed by the IACUC at the next scheduled meeting.
- () B- Procedures will involve prolonged manipulation or be invasive. Protocols may involve surgical or other stimuli inducing pain or distress, but all pain or distress will be mitigated with appropriate anesthetics or analgesics. The procedure may be initially approved by the Chair, the Campus Veterinarian and one additional member of the IACUC. Protocols will be reviewed by the IACUC at the next scheduled meeting.
- () C- Procedures will be invasive and may cause prolonged physiological or psychological stress. Pain, considerable distress, or discomfort may be induced and not mitigated by anesthesia or adequate analgesia (e.g. LD50 experiments, long-term food or water deprivation, etc.). These protocols will be reviewed thoroughly by the IACUC prior to commencement of the project.

Requires Health Assurance () Yes () No

[Signature] 2/12/18
Signature, IACUC Member Date

Approved () Denied

[Signature] 2/13/2018
Signature, IACUC Member Date

Approved () Denied

Signature, Campus Veterinarian (if necessary) Date

() Approved () Denied

[Signature] 2.14.18
Signature, IACUC Chair Date

Approved () Denied

Final Committee Decision. All protocols must be approved prior to the start of research.