



DEPARTMENT OF HEALTH & HUMAN SERVICES

PUBLIC HEALTH SERVICE  
NATIONAL INSTITUTES OF HEALTH

FOR US POSTAL SERVICE DELIVERY:

Office of Laboratory Animal Welfare  
6700B Rockledge Drive, Suite 2500, MSC 6910  
Bethesda, Maryland 20892-6910  
Home Page: <http://grants.nih.gov/grants/olaw/olaw.htm>

FOR EXPRESS MAIL:

Office of Laboratory Animal Welfare  
6700B Rockledge Drive, Suite 2500  
Bethesda, Maryland 20817  
Telephone: (301) 496-7163  
Facsimile: (301) 480-3387

February 2, 2022

Re: Animal Welfare Assurance  
A3646-01 [OLAW Case 1T]

Dr. Jon Reuter  
Assistant Vice Chancellor for Research Integrity and Compliance  
University of Colorado – Boulder  
3100 Marine Street, UCB 563 (b) (4)  
Boulder, CO 80309

Dear Dr. Reuter,

The Office of Laboratory Animal Welfare (OLAW) acknowledges receipt of your revised January 3, 2022 final letter reporting an instance of noncompliance with the PHS Policy on Humane Care and Use of Laboratory Animals at the University of Colorado Boulder. OLAW understands that on September 28, 2021, during semi-annual inspections it was found that some entries in surgical records for mice document only two days of post-operative monitoring rather than three days as required. In addition, the protocol required two days of post-operative carprofen administration however this was not consistently documented in the records. After discussion with the Principal Investigator (PI), it was not ascertained if carprofen was not administered or if it was solely a documentation error. No adverse animal welfare implications were noted. The studies were PHS funded.

As a corrective measure, the IACUC office discussed the importance of accurate documentation of post-operative monitoring and care. The PI has retrained lab personnel on post-operative care and maintaining documentation.

OLAW appreciates the prompt consideration of this matter by the University of Colorado Boulder which is consistent with the philosophy of institutional self-regulation. OLAW expects continuing post-approval monitoring and training on the importance of protocol compliance to prevent recurrence of this non-compliance and potential associated animal welfare concerns. Based on the information provided, OLAW is satisfied that appropriate steps have been taken to investigate this incident and to attempt to prevent recurrence.

We appreciate being informed of this matter and please contact us with any further questions or concerns.

Sincerely,

(b) (6)

Nicole Lukovsky-Akhsanov, DVM, MPH, DACLAM  
Division of Compliance Oversight  
Office of Laboratory Animal Welfare

cc: IACUC contact

A3646-1V



University of Colorado  
Boulder

Jon Reuter, Assistant Vice Chancellor for  
Research Integrity and Compliance  
4845 Pearl East Circle, room 206 (UCB 563)  
Boulder, CO 80309

[jon.reuter@colorado.edu](mailto:jon.reuter@colorado.edu)

t 303 735-5809

January 3, 2022

Brent Morse, DVM  
Director, Division of Compliance Oversight  
Office of Laboratory Animal Welfare National  
Institutes of Health  
6700B Rockledge Drive, Suite 2500 MSC 6910  
Bethesda, MD 20892

Dr. Morse,  
The University of Colorado Boulder, Assurance No. D16-00388, provides the following amended report listed below. We are sending the report as all the information has been presented to the IACUC and found to be reportable.

Protocol: 2557

Species: Rats

Funds: NIH 1 RO1 HL119371 01

On 9/21/21 during semi-annual inspections it was found the lab was not keeping anesthetic records for anesthesia provided during an ultrasound procedure. The anesthesia was provided, but appropriate documentation was not kept. There were no adverse animal welfare implications as a result.

The IACUC office has had discussions with the principal investigator and lab personnel about the appropriate records. The IACUC SOP on record keeping as well as example templates for records were emailed directly to the principal investigator and lab personnel. These documents are also always accessible via the IACUC website. The lab has setup accurate records to utilize during the next anesthetic event.

CU Boulder maintains its commitment to the health and welfare of animals used in research. Should you have any questions regarding this report, please contact Christopher A. Lowry, PhD, IACUC Chair at [christopher.lowry@colorado.edu](mailto:christopher.lowry@colorado.edu) or (b) (6)

Sincerely,

(b) (6)

Jon Reuter, Assistant Vice Chancellor of Research Integrity and Compliance

Cc:

Christopher A. Lowry, IACUC Chair

(b) (6)

**Wolff, Axel (NIH/OD) [E]**

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**From:** OLAW Division of Compliance Oversight (NIH/OD)  
**Sent:** Friday, November 12, 2021 8:08 AM  
**To:** IACUC Office  
**Cc:** OLAW Division of Compliance Oversight (NIH/OD)  
**Subject:** RE: Reportable Incidents

Thank you for this report. We will send a response soon.

Axel Wolff, M.S., D.V.M.  
Deputy Director, OLAW

**From:** IACUC Office <iacucoffice@colorado.edu>  
**Sent:** Tuesday, November 9, 2021 5:18 PM  
**To:** OLAW Division of Compliance Oversight (NIH/OD) <olawdco@od.nih.gov>  
**Cc:** Jon D Reuter <Jon.Reuter@Colorado.EDU>; (b) (6) Christopher Lowry  
<christopher.lowry@colorado.edu>; (b) (6)  
**Subject:** Reportable Incidents

Dear OLAW,

Please find attached the final report on significant findings during our last semi-annual inspection.

Thank you,

(b) (6)



Jon Reuter, Assistant Vice Chancellor for  
Research Integrity and Compliance  
4845 Pearl East Circle, room 206 (UCB 563)  
Boulder, CO 80309

[jon.reuter@colorado.edu](mailto:jon.reuter@colorado.edu)

1 303 735-5809

November 9, 2021

Brent Morse, DVM  
Director, Division of Compliance Oversight  
Office of Laboratory Animal Welfare  
National Institutes of Health  
6700B Rockledge Drive, Suite 2500 MSC 6910  
Bethesda, MD 20892

Dr. Morse,  
The University of Colorado Boulder, Assurance No. D16-00388, provides the following reports listed below. We are sending these reports as all the information has been presented to the IACUC and found to be reportable.

Protocol: 2557  
Funds: NIH 1 RO1 HL119371 01

Species: Rats

On 9/21/21 during semi-annual inspections it was found the lab was not keeping anesthetic records for anesthesia provided during an ultrasound procedure.

The IACUC office has had discussions with the principal investigator and lab personnel about the appropriate records. The IACUC SOP on record keeping as well as example templates for records were emailed directly to the principal investigator and lab personnel. These documents are also always accessible via the IACUC website. The lab has setup accurate records to utilize during the next anesthetic event.

Protocol: 2578  
Funds: NIH 1R01DA047443-01

Species: Mice

On 9/28/21 during semi-annual inspections it was found that some of the entries in the surgical records only documented two days of post-operative monitoring rather than three days as required by the IACUC SOP. The protocol also states that Carprofen will be given for two days post-operation, but this was not consistently documented in the records.

The IACUC office discussed with the principal investigator the importance of accurate documentation of post-operative monitoring and care. The IACUC SOP on record keeping was emailed directly to the principal investigator. The principal investigator has re-trained lab personnel on post-operative care and maintaining documentation.

CU Boulder maintains its commitment to the health and welfare of animals used in research. Should you have any questions regarding this report, please contact Christopher A. Lowry, PhD, IACUC Chair at christopher.lowry@colorado.edu or (b) (6)

Sincerely,

(b) (6)

Jon Reuter, Assistant Vice Chancellor of Research Integrity and Compliance

Cc:

Christopher A. Lowry, IACUC Chair

(b) (6)