



DEPARTMENT OF THE ARMY
US ARMY RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE
10 GENERAL GREENE AVENUE, BUILDING 42
NATICK, MASSACHUSETTS 01760-5007

June 21, 2018

Br. 2

John J. Miller
State Agreements Officer
U.S. Nuclear Regulatory Commission
Region 1 Division of Nuclear Material Safety
2100 Renaissance Boulevard
King of Prussia, PA 19406-2713

Dear Mr. Miller:

Upon completion of 40 hours of Radiation Safety Officer Training on June 15, 2018 with Dade Moeller Training Academy, Ms. Alyssa Geddis was appointed as the Radiological Safety Officer (RSO) at the U.S. Army Research Institute of Environmental Medicine (USARIEM).

Enclosed with this letter is a copy of Ms. Geddis' CV and the certificate of completion for the RSO Training. I am requesting an amendment to the USARIEM NRC License that names Ms. Geddis as the RSO. The institute's license and docket numbers are listed below:

- License No. 20-30847-01
- Docket No. 03036434

The points of contact for this request are MAJ Paul Henning, Executive Officer at (508) 233-5129 and Mr. Kelly McGovern, Safety Officer at (508) 233-4811.

Raymond L. Phua
Colonel, U.S. Army
Commanding

Enclosure

REC RG 1 06 26 18 07 03

609282
NMSG/RGNI MATERIALS-002

Certificate of Training

Awarded To

Alyssa Geddis

Recognizing completion of 5 days of specialized instruction in

Radiation Safety Officer


June 15, 2018


Presented By

Dade Moeller Training Academy – an NV5 Company

4100 West Flamingo Road, Suite 2200 Las Vegas, Nevada 89103
www.dademoeller.com -- 301-990-6006

ABIH Diplomates can claim this course for 40 hours in the IH CM Area.
AAHP has awarded this course 40 Continuing Education Credits


David A. Waite, Ph.D., CHP


Judson Kenoyer, MS, CHP, CIH



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Alyssa V Geddis

[REDACTED]
Mobile: (508)498-1239
Work: (508)233-4839
Email: alyssa.v.geddis.ctr@mail.mil

EXPERIENCE:

United States Army research Institute of Environmental Medicine
10 General Greene Avenue, Building 42
Natick, MA 01760 United States

03/10/2014-Present

40 hours per week

Military Performance Division

Oak Ridge Institute for Science and Education Post-Undergraduate Fellow

03/10/2014-08/20/2017

DoD Civilian 08/21/2017-Present

Biological Research Technician supporting in vitro skeletal muscle regeneration mechanism projects and inflammation mechanism projects; the research area is focused on investigating molecular pathways that regulate skeletal muscle growth, survival and differentiation processes. Duties include assisting in research and experimental design; performing experiments; data preparation, analysis and compiling for publications; managing immunochemistry and cell culture labs: monitoring supplies, keeping lab area clean and organized, and managing lab equipment; and presenting data at national conferences.

Related Skills include aseptic technique, mammalian cell culture, bright field microscopy, cell staining, confocal microscopy (Zeiss 700 LSM), viral transductions, reverse transfections with small interfering RNA, ELISA Assays (manual and automated using the DS2 by Dynex Technologies), Protein and RNA isolations from tissue and cell samples, Protein quantifications (Bradford Method), immunoprecipitations, western blots, imaging western blots (manual fixer and developer method and by Biorad Chemidoc XRS+), Real Time PCR, small RNA Assays, Nuclear Protein Extractions, Assay for Transpose-Accessible Chromatin Sequencing Transcription Factor Assays, and experience with lab software (Image lab, Softmax pro, MxPro, and NIH Image J),

Lab processing Technician supporting in-house and field studies; research focused on stress fractures and Vitamin D and Calcium status. Duties include processing blood and urine samples.

Related Skills include experience using i-STAT handheld blood analyzer, experience using a Nova Blood Gas Analyzer, acidifying urine, operating a DXA, and analysis of bones scans taken with high resolution pQCT scanner.

Worcester State University
486 Chandler St

Worcester, MA 01602 United States

09/01/2013-12/01/2013

5 hours per week

Undergraduate Independent Research

Through an undergraduate independent research opportunity I provided research support to a project under the guidance of a professor. The project focused on the site-directed mutagenesis of phosphorylation sites in the yeast Bud3 bud site selection protein and the characterization of the effects of the mutations on bud site selection.

Accomplishments include a poster presentation of data at the American Society of Cell Biology 2013 Meeting in New Orleans, LA, and receiving first place at the Celebration of Scholarship and Creativity poster presentation at Worcester State in 2014.

Related skills include aseptic technique, SDS-PAGE gel and agarose gel electrophoresis, plasmid minipreps, site-directed mutagenesis, bacterial and yeast transformations, and bacteriological culture techniques.

Worcester Polytechnic Institute: Gateway Building Vivarium

100 Institute Rd

Worcester, MA 01609

09/01/09-05/01/10 and 05/01/12-09/01/12

5-20 hours per week

Animal and Facility Caretaker

Animal and Facility Caretaker supporting the WPI faculty and private company animal research teams who housed animals in the facility. Duties included checking wellness status of research animals, cleaning cages, feeding and watering animals, preparing water for autoclave, running an industrial sized cage washer, maintaining emergency equipment, cleaning and organizing facility, cleaning, organizing and sterilizing surgical areas.

Related skills include experience working with and handling lab animals including: rats, mice, frogs and crayfish.

EDUCATION:



Genetics with Lab (4 sem hrs); Cellular and Molecular Biology Lab (4 sem hrs); Organismal Biology Lab (4 sem hrs); Invertebrate Zoology with Lab (4 sem hrs); Principles of Ecology with Lab (4 sem hrs); Organic Chemistry I-II (3 sem hrs); Animal Behavior with Lab (4 sem hrs); Molecular Biology with Lab (4 sem hrs); Biochemistry with Lab (4 sem hrs)

Worcester Polytechnic Institute

Worcester, MA United States

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Transferred following Sophomore Year [REDACTED]

Microbiology (3 sem hrs); Biodiversity (3 sem hrs); Human Biology (3 sem hrs); Cell Biology (3 sem hrs); Ecology, Environment and Animal Behavior Lab (1 sem hrs); Molecular Biology, Microbiology and Genetics Lab (1 sem hrs); Anatomy and Physiology (3 sem hrs); Anatomy and Physiology Lab (1 sem hrs); General Chemistry I-III with Lab (4 sem hrs)

**SPECIALIZED
TRAINING:**

Gene Editing with CRISPR Workshop, BioTrac at Montgomery College, 3 days, 2016
Basic Confocal Microscopy Workshop, University of South Carolina Medical School, 1 week, 2015
Environmental Management System Awareness Training, 2016
Blood borne Pathogen Training, 2016
Biological Safety Training, 2016
Lab Safety and Hazardous Waste Training, 2016
Basic Life Support Certification, 2016
HIPAA and Privacy Act Training, 2016
CITI Training (Human), Biomedical Research Key Personnel, 2015

**PROFESSIONAL
PUBLICATIONS:**

Matheny, RW; Riddle-Kottke, MA; Leandry, LA; Lynch, CM; Abdalla, MN; Geddis, AV; Piper, DR; Zhao, JJ (2015) "Role of phosphoinositide 3-OH kinase p110 β in skeletal myogenesis." Mol. Cell. Biol. 35(7) 1182-96.

Matheny, RW; Geddis, AV; Abdalla, MN; Leandry, LA (2016)
"Phosphatidylinositol 3-kinase p110 α mediates phosphorylation of AMP-activated protein kinase in myoblasts" Biochem. Biophys. Res. Commun. 469(4) 1117-22.

Matheny, RW; Carrigan, CT; Abdalla, MN; Geddis, AV; Leandry, LA; Aguilar, CA; Hobbs, SS; Urso, ML (2017) "RNA transcript expression of IGF-I/PI3K pathway components in regenerating skeletal muscle is sensitive to initial injury intensity." Growth Horm IGF Res. 32:14-21.

Matheny, RW; Abdalla, MN; Geddis, AV; Leandry, LA; Lynch, CM (2017)
"Skeletal Muscle PI3K p110 β regulates expression of AMP-activated protein Kinase" Biochem. Biophys. Res. Commun. 482(4) 1420-26.



ACKNOWLEDGEMENT - RECEIPT OF CORRESPONDENCE

Name and Address of Applicant and/or Licensee Department of the Army ATTN: Raymond L. Phua, Commander 10 General Greene Avenue Building 42 Natick, MA 01760-5007	Date
	July 6, 2018
	License Number(s)
	20-30847-01
	Mail Control Number(s)
	609282
	Licensing and/or Technical Reviewer or Branch
	Commercial, Industrial, R&D, & Academic Branch

This is to acknowledge receipt of your: ☒ Letter and/or ☐ Application Dated: 06/21/2018

The initial processing, which included an administrative review, has been performed.

☒ Amendment ☐ Termination ☐ New License ☐ Renewal

☒ There were no administrative omissions identified during our initial review.

☐ This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

☐ Your application for a new NRC license did not include your taxpayer identification number. Please complete and submit NRC Form 531, Request for Taxpayer Identification Number, located at the following link: <http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf>
Follow the instructions on the form for submission.

☐ The following administrative omissions have been identified:

Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:

Region I
U. S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
(610) 337-5260, (610) 337-5313,
(610) 337-5398, or (610) 337-5239