



Kaitlin Ann Leddy

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EDUCATION

B.S. Biology Fall 2009 — July 2013
University of New Mexico

B.A. Chemistry Fall 2009 — July 2013
University of New Mexico

QUALIFICATIONS

I have spent 18 months doing active research and gaining experience in lab techniques in Dr. Charles Melancon's lab at UNM. My research is focused on natural product synthesis and isolation working with cave samples from Lechuguilla Cave in NM and samples from Hawaiiin caves.

In July 2013, I graduated from the University of New Mexico with a B.S. in Biology and a B.A. in Chemistry. I began classes at UNM before I graduated high school using a dual enrollment program, earning 15 college credits. I finished both degrees within 4 years with a cumulative GPA of 3.36.

Research Experience:

May 2012-Dec 2013; University of New Mexico, with Dr. Charles Melancon and Dr. Diana Northup; subculturing, isolation and 16S ribosomal sequencing of possible Actinobacteria from Lechuguilla, NM and Hawaiiin caves. Pending publication.

June 2013-Aug 2013; University of New Mexico, with Dr. Paul Szauter; bioinformatics research regarding gene annotation of *Drosophila spp.* in collaboration with the Genomics Education Partnership Program at Washington University in St. Louis.

WORK EXPERIENCE

University of New Mexico May 2012 — Present
Research Technician

Completed multiple research projects, as undergraduate researcher and as paid laboratory technician, involving potentially dangerous bacteria and fungi. Work duties included training undergraduates how to perform laboratory procedures in safe and stable environment. Duties also included teaching students the protocol of the lab, time management of projects and scheduling as well as involvement in team studies and orientations. Performed management and personal accomplishment of various research projects exhibiting leadership in personal ventures and guiding others to successful project completion during undergraduate studies and post-graduation.

University of New Mexico February 2012 — Current
Ropes Course Facilitator

Ropes course facilitation not only takes very specific training, but also a specific personality type. As facilitators, we give groups the tools and challenges it takes to learn

how to work together and develop positive relationships. We must oversee this process without involvement but still help shape the group towards positive outcomes. We use these skills in team building activities, teaching activities, low ropes courses and high ropes courses. We are blessed in that we get to watch the transformation of groups of people building lifelong relationships, developing positive outlooks and gaining renewed outlooks on life.

Another aspect of this job is that we work the course alone, we are responsible for the safety and first aid of large groups of adults and/or children. We are responsible for the keys to the course and making sure they are transferred to the next facilitator and that the course is locked up and secured each course. We are responsible for creating and executing an appropriate course plan for each group and tailoring it on-the-spot depending on the group's capabilities, weather and time restrictions.

Manzano Mountain Retreat

May 2013 — Current

Ropes Course Facilitator

Same as above Ropes Course Facilitator responsibilities. I worked the same type of job position at Manzano Mountain Retreat (MMR), however MMR is located 60 miles from where I live. In addition to the general duties of a facilitator, I also had to work long hours in addition to a long drive each morning (most mornings I had to be AT work by 7:30am, meaning leaving my house around 6am). I prided myself on punctuality each morning, never once being late. We often worked all day then I had a long drive home. I am a hard worker who doesn't believe in being tardy. It doesn't matter if my employer expects me to work a 9 hour day starting at 7am or 10am, I am committed to being there on time and giving the task my 100% effort.

Big Sky Resort

06/2014 — Current

Lead Guide

I'm currently a lead guide at Basecamp for Big Sky Resort. Basecamp runs zipline tours, expeditions to Lone Peak's summit, high rope courses and other various mountain adventures. I am currently living and working in Big Sky, MT as a lead guide. Since beginning work at Basecamp in June, I have taken two levels of ACCT certification and earned my lead guide status. The responsibilities of a lead guide include leading trips and managing the safety of both fellow guides and guests. Safety is of huge concern in these potentially dangerous activities and it falls upon the lead guide to ensure maximum safety and attention at all times in addition to creating a wonderful guest experience and meeting guide expectations.

INTERESTS

My interests include many various outdoor sports and hobbies. One of my biggest hobbies is playing roller derby which I have been doing for over 6 seasons. My other interests include hiking, climbing, kayaking, backpacking and mountain biking. I love being in the outdoors and enjoying the beauty of nature. Hobbies I enjoy when trapped inside are knitting, crocheting, sewing, gardening (indoor and outdoor) as well as cooking. I also spent some time as a volunteer foster for Justice Great Dane Rescue of Albuquerque, NM. We have personally aided in the physical, medical and emotional rehabilitation of 11 dogs for the rescue and greatly enjoyed working with dogs in need.

REFERENCES

Dr. Chales Melancon III 858-405-4654
cemelanc@unm.edu
Research Asst. Professor - Dept. Chemistry UNM

Dr. Susan Harper
505-220-9848
teamwork@rt66.com
Adjuct Faculty and Coordinator UNM High/Low/Climbing Course

Dr. Paul Szauter
505-277-3411
pszauter@unm.edu
Research Asst. Professor - Dept. Chemistry UNM

RELEVANT
COURSEWORK

B.S. Biology

Bio 351 - Microbiology - A+
Bio 352L - Microbiology Lab - A+
Bio 412 - Developmental Biology - A+
Bio 428 - Human Heredity - A
Bio 456 - Immunology - B
Bio 406 - Plants and People - A-
Bio 419 - Bioinformatics Research - A+

B.A. Chemistry

Chem 301 - Fundamental Organic Chemistry - B
Chem 303L - Organic Chemistry I Lab - A-
Chem 302 - Advanced Organic Chemistry - A
Chem 304L - Organic Chemistry II Lab - A
Chem 315 - Physical Chemistry - B
Chem 495 - Undergraduate Research - A+
Chem 421 - Biological Chemistry - A
Chem 425 - Organic Chemistry of Biological Pathways - B+

SCHOLARSHIP

University of New Mexico – Department of Chemistry and Chemical Biology – awarded the Dr. Thomas Whaley Endowed Memorial Scholarship - \$4,500

State of New Mexico – awarded Legislative Lottery Scholarship - \$16,161.13

State of New Mexico – awarded Bridge to Success Scholarship - \$2,798.67

Academic Awards

Dean's List – awarded Spring 2013 - GPA 3.87

PUBLICATIONS

Currently in Publication Process:

Kooser, Ara S., :Leddy, Kaitlin A., Diana E. Northup, Charles E. Melancon, III.
"Interdisciplinary Approach to Discovering Novel Natural Products from Cave Bacteria
Communities."

Pending : Leddy, Kaitlin A., Melancon, Charles E., Wilder, S., Mulligan, B., Kooser, Ara
S. "Natural Products of Actinobacteria mined from Lechuguilla, NM and Hawaiian
Caves."