

Community College Research Efforts

Presented by:

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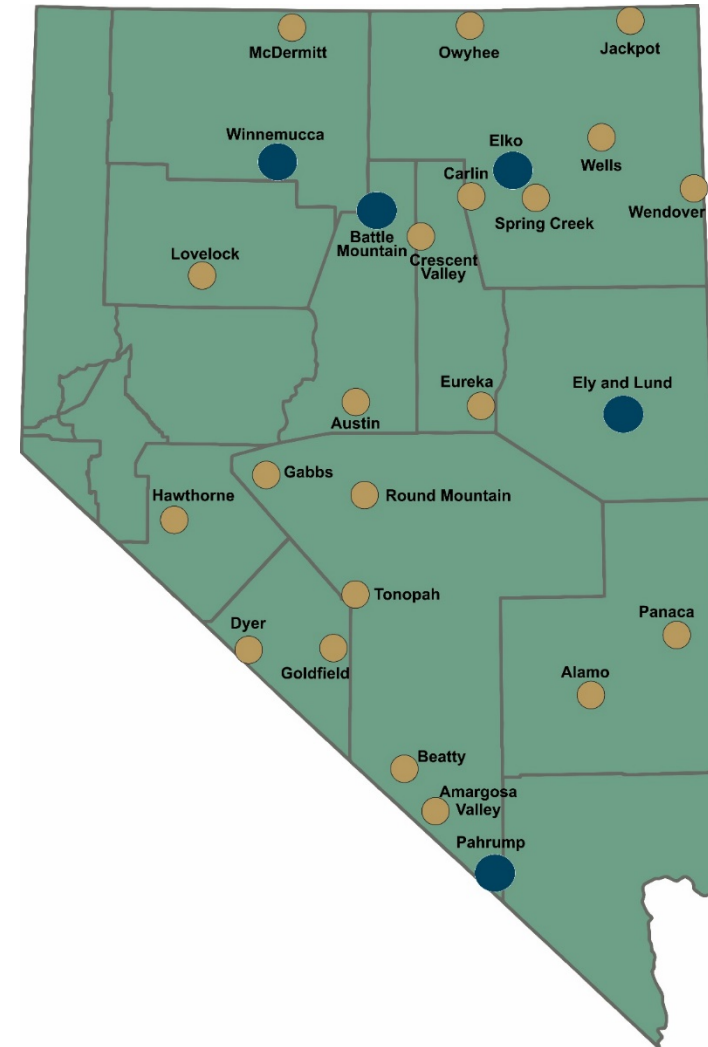
Introduction

- Research Efforts at Great Basin College include three categories:
 - Institutional Research
 - Faculty Research
 - Opportunities for Student Research



Institutional Research

- Task Team Initiatives
- Gateway
- Placement



Institutional Task Teams

- Four Task Teams were formed January 2018, to explore four areas of continuous improvement for the college
 1. Campus Revitalization
 2. Serving Diverse Populations
 3. New Programs
 4. Athletics
- An inaugural “*All College Conversation Day*” brought faculty, staff, students, and community members from all of GBC’s outreach area together to discuss Task Team recommendations on how GBC can be most effective in serving students
- The results from the “*All College Conversation Day*” were voted on, compiled, and prioritized with the intention to begin implementation in Fall 2018



Research on Student Success

Gateway Math and English Research

- GBC Faculty and Staff evaluate the impacts of proactive advising on the enrollment in pathways towards completing of the gateway math and English courses
- Students were directly contacted and encouraged to enroll in math and English until they reach the college level course.
- Data supported the efficacy of proactive advising in increasing the percentage of first year degree seeing students enrolling in a math or English course within the first three semesters of starting at the college

Math Placement Exams

- A pilot study is being conducted to compare the impact of two different math placement exams, with remedial support, to place students into a higher math class than initially placed



Faculty Research



Individual Pre-Doctoral Faculty Projects and Research

Examples:

- Heidi Johnston – Nursing Instructor: *“Creating a Rural Nursing Workforce”*
- Tamara Mette – Nursing Professor: *“A Multidisciplinary Perspective on Educating Students and Entry-Level Staff in Clinical Settings”*
- Staci Warnert – Nursing Professor: *“The Purpose of the Clinical Post-conference and Teaching Practices Related to the Clinical Post-conference”*
- Stacy Rust – Nursing Instructor: *“The Impact of TeamSTEPPS to Build Collaboration with Nursing Staff on Nurse Staff Job Satisfaction”*
- Oscar Sida – Human Services Instructor: *“Motivational Interviewing: From Therapy to the Classroom and in Between”*

Student Research

- Established Program to Stimulate Competitive Research (EPSCoR)
- IDeA Networks of Biomedical Research Excellence (INBRE)
- National Institutes of Health (NIH)
- National Science Foundation (NSF)



Summer Undergraduate Research

- Sandra Solis received a National Institutes of Health (NIH) fellowship award
 - Sandra will work under Senior Investigator Leslie Baier, Ph.D. in the Epidemiology branch at the NIH campus in Phoenix, AZ, beginning Summer 2018
 - She will spend the final week of the 10-week program presenting her findings at NIH headquarters in Bethesda, Maryland
- Maggie Benally and Krystianna Kellum have been accepted to a BioPrep Summer Research program through TMCC
 - They will spend 5 weeks in Reno working in labs at the UNR and TMCC campuses
- All three are paid research opportunities

Sandra Solis was featured on the front page in a recent edition of the Elko Daily Free Press

GBC student receives National Institute of Health fellowship award

Apr 30, 2018

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Great Basin College biological sciences student Sandra Solis chosen to receive a National Institutes of Health fellowship for research this summer.

SUBMITTED



ELKO — Great Basin College biological sciences student Sandra Solis always knew her dream of pursuing medicine would involve completing clinical hours and undergraduate research. But the first-generation college student never imagined pre-requisites for medical school would eventually lead her to one of the world's foremost medical research centers, the National Institute of Health.

Solis, a 2015 Elko High School graduate, was chosen to receive the NIH fellowship for research that will take place this summer at the NIH campus in Phoenix. She will work under the direct supervision of Senior Investigator Leslie Baier in the Epidemiology branch.

NSF and EPSCoR Scholarship Opportunities

- Undergraduate students who are enrolled full-time at any NSHE institution during the time they are conducting their research are encouraged to apply
- Scholars are paired with a NSHE faculty mentor to supervise their research project
- The scholarship amount is \$4,000 for students
- GBC Student, Thomas Stafford, was funded through the NSF Scholarship to pursue his research on *“Studying the Cost Efficiency of Placement of Building Using Passive Solar Energy”*

Ruby Mountains – Geology, Geochron, and Education (RuGGEd)

- NSF Grant (RuGGEd) funding allows for research to provide insights into seismic hazards and gold emplacement
 - Principles – University of Colorado Boulder, University of Dayton, GBC
- Using chemical data collected from rocks, the rate of uplift will be investigated
- GBC Faculty and students will produce ADA compliant materials about the Ruby Mountains by using video and research results.



