

# 2023 Annual Report

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**roc**  
foundation



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# Mission/Vision/About



Classroom to lab to patient.

Bridging the gaps between medical education, research, and patient care.

**The ROC Foundation was founded by Dr. Timothy J. Bray after he published the book series “Techniques in Fracture Fixation”. Dr. Bray’s vision was to create a 501(c)3 that would fill medical education needs in our area, and we’ve been growing ever since.**

## Executive Director’s Recap

2023 was an incredible year for the ROC Foundation. We reignited Career Quest with our partner, Envirolution, to host over 50 high school and middle school students at ROC. During Career Quest we deliver Orthopedic Healthcare Career Exploration lectures, allow the students to shadow departments throughout the ROC, and conduct a fracture workshop. We expanded our Education Committee to include Storey County School District and College of Southern Nevada and completed the first in Nevada, High School Student CNA (Certified Nursing Assistant) certification program, successfully graduating 36 students, with the generous support of the GOSIT Career Pathways grant.

2024 will continue to be an exciting time as we look to expand our programming, education and research opportunities to our community, and extend outreach with other organizations to build successful initiatives. For the first time since the Foundation’s inception, we will be embarking on a Strategic Planning journey with the goal of completion by mid-year. This strategic plan will be used to grow the Foundation for the next three years and beyond, ensuring we are remaining true to our core mission and pillars of education, research, and outreach.

This year also brings our first ever “Swinging Fore Scholarships” golf tournament, where all proceeds will go to starting our scholarship endowment fund for students training, earning certifications and/or degrees within orthopedic-related fields. The golf tournament will be hosted during our bi-annual Orthopedic Healthcare Professionals (OHP) Conference in May, where we welcome all medical professionals to network and earn CMEs and CEUs. We also will host our second annual gala on September 13th where we will spotlight our partners, advocates, and healthcare professionals that have supported the Foundation throughout the year through financial, education, research and outreach means.

On behalf of all of us, the ROC Foundation team is excited and honored to continue working for you and the medical community to support orthopedic initiatives through education, research, and outreach.

Cheers to a great 2024!

*~Miranda Hoover*



# ROC Foundation Total Impact



43  
FELLOWS



510  
RESEARCH STUDY  
PATIENTS



948  
STUDENT  
ROTATIONS



17  
RESEARCH STUDIES



269  
PERRY INITIATIVE  
ATTENDEES & VOLUNTEERS



36  
CNA GRADUATES:  
HS STUDENTS



80.5  
CONTINUED MEDICAL  
EDUCATION CREDITS PROVIDED



# Board of Directors 2023-2025



## The Board



**GREGORY LUNDEEN, MD**  
President



**MEAGAN MCCARTHY, MD**  
VP & Secretary



**DANIELLE O'CONNOR**  
Treasurer



**LISA MEAD, MBA**  
Board Member



**KRISTEN GURNEA, MPH**  
Board Member



**TIMOTHY BRAY, MD**  
Advisory Member

## Message

## from the

## President

The ROC Foundation is committed to supporting orthopedic education, research, and outreach in Nevada. We are working to train more orthopedic surgeons and professionals to make sure that people in Nevada have access to the care they need. In 2023, we continued to host the Perry Initiative, our two Fellowships: Foot & Ankle and Trauma, shadowing, observations, and rotations for students, and Career Quest. These initiatives continue to align us with our core pillar of 'education' and empower students to achieve their healthcare career dreams.

We are also working to raise awareness of the importance of orthopedic medical research. We want our patients to have access to the best healthcare and treatments. Medical research helps us improve patient care, increases a patient's quality of life, and can lead to the discovery of new ways to prevent illness and disease.

The Board of Directors is excited about the direction the Foundation will go in 2024, expanding our philanthropic outreach and the new opportunities we will get to offer to our community.

We are grateful for your support of our work. Together, we can make a difference in the lives of people in all regions we serve.

Thank you,

  
Gregory Lundeen, MD

# Meet Our Team



**MIRANDA HOOVER**  
EXECUTIVE DIRECTOR



**ALEXIS PINGUELO**  
PROGRAM  
COORDINATOR



**JANICE TA**  
CLINICAL RESEARCH  
SUPERVISOR



**JUVY RUFFATTO**  
RESEARCH ASSISTANT



**MEGAN PERRY**  
RESEARCH ASSISTANT



*Education*

*Research*

*Community Outreach*

# Fellowships

## RENO ORTHOPEDIC TRAUMA FELLOWSHIP

One year clinical Fellowship in orthopaedic trauma which combines acute fracture care, delayed reconstruction, post traumatic deformity, arthroplasty and business education.

**This is currently the only trauma fellowship in the United States that provides a formal business educational program in addition to high volume clinical training.**

This fellowship program started in 2010, and we have since had 13 fellows complete our training program.

On average each fellow completes 950 cases per year.

## TRAUMA FELLOWSHIP FACULTY



Peter Althausen, MD  
(Director)

David Swanson, MD

Pierce Johnson, MD  
(Adjunct faculty)

Markus Loeffler, MD  
(Adjunct faculty)

Timothy Bray, MD  
(Emeritus faculty)

Trauma team photo: Gonzales-Luna 2022-23



## UCD/ROC FOOT & ANKLE FELLOWSHIP

The UCD/ROC Foot & Ankle Fellowship is a unique one year fellowship split between University of California, Davis and the Reno Orthopedic Center which combines a traditional university, tertiary referral experience with a large, independent, private practice clinic. Fellows encounter routine and complex problems of the foot and ankle associated with trauma, congenital malformations, sports injuries, degenerative diseases, forefoot deformities, and limb salvage.

This fellowship program started in 2014, and since we have had 17 fellows complete our training program.

On average each fellow completes 1,100 cases per year.

### FOOT & ANKLE FELLOWSHIP FACULTY

Gregg Lundeen, MD  
(Co-Director)

Eric Giza, MD  
(Co-Director)

Chris Kreulen, MD

Scott Whitlow, MD

Spenser Cassinelli, MD



# 2022-23 Fellows



## **PHILIP SHAHEEN, MD**

### FOOT & ANKLE

Medical School: Wayne State University School of Medicine

Residency: Saint Louis University/Mercy Hospital

Position after Fellowship: Motor City Orthopedics and Sports Medicine Institute (Novi, MI)



## **ALICIA UNANGST, DO**

### FOOT & ANKLE

Medical School: Rocky Vista College of Osteopathic Medicine

Residency: Tripler Army Medical Center (Honolulu, HI)

Position after Fellowship: William Beaumont Army Medical Center (El Paso, TX)



## **DANIEL GONZALES-LUNA, MD**

### TRAUMA

Medical School: U Texas Houston

Residency: UT Houston McGovern Medical School

Position after Fellowship: UT Physicians Orthopedic Group, (Houston, TX)

# 2023-24 Fellows

## **JUSTIN HAGHVERDIAN, MD** FOOT & ANKLE

Medical School: University of California, Irvine  
Residency: University of California, Irvine  
Future Position after Fellowship: University of  
California, Irvine



## **YVONNE CONWAY, MD** FOOT & ANKLE

Medical School: U of Alabama, Birmingham  
Residency: University of Alabama, Birmingham  
Future Position after Fellowship: OrthoSports  
Associates, Birmingham, AL



## **MITCH ROHRBACK, MD** TRAUMA

Medical School: University of Arizona  
Residency: University of Texas at Austin Del  
Future Position after Fellowship: Utah Orthopedic  
Specialists, Salt Lake City, UT



# Education

## STUDENTS 2023

64

*High School Students*

54

*Undergrad Students*

16/22

*Med Students/ Residents*

3,163

*Total Shadowing  
& Rotation Hours*



## CHIRON COMMITTEE

The education committee is made up of education professionals and advocates who meet bi-monthly, working to bridge the education to career gaps within our region for the healthcare industry.

### Committee Members

**Chair** - Matt MacKay, CTE Coordinator (WCSD)

**Staff Liaison** - Alexis Pinguelo, Program Coordinator (ROCF)

- Truckee Meadows Community College (TMCC)
- Envirolution
- High Sierra AHEC
- Storey County School District
- NV Department of Education
- College of Southern Nevada (CSN)
- Dr. McCarthy (ROC)



## LABS & TRAINING

Located on the 3rd floor of the Reno Orthopedic Center, the Chiron Knowledge Center is a neutral medical education space that serves the Reno community and beyond. With a large lecture room, and two fully equipped ORs, the Chiron Center provides premium support to all surgery specialties seeking lab training and furthering education in healthcare.

### *Supporting all*

Healthcare professionals  
Surgery subspecialties

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## CERTIFIED NURSING ASSISTANT PROGRAM

ROCF partnered with Truckee Meadows Community College (TMCC), and the Nevada Alliance for Youth Apprenticeship (NAYA) to provide a fully funded CNA certification class and testing for Washoe County High School juniors and seniors, which was part of the Nevada Governor's Office of Science Innovation and Technology (GOSIT) STEM Workforce Talent Pipeline Development Grant received by ROCF. With this grant we were able to fund three different cohorts: summer 2022, fall 2022, and spring 2023, have every student interviewed by one of our hospital partners for a potential position, and worked with our hospital partners to lower the minimum age requirement of 18 years of age to 16 to hire a CNA, thus increasing the potential workforce in our region.

36

**CNA COURSE  
GRADUATES**

# Research

“The Foundation’s research projects have been instrumental in adding to the breadth of orthopedic knowledge and the benefit of future patients everywhere.”

- Dr. Sanjai Shukla ~ Joint Replacement

**Total # of Studies**

**17**

**14**

**Total # of Investigators**

**Studies Actively Enrolling**

**4**

**510**

**Total # of Research Patients**

**Total # of Study Visits**

**1,640**

“The driving force for our research comes from the rewarding benefits of devoting resources to expanding knowledge in the medical field to improve patient care/outcomes and increasing inspiration in our own physicians profession. Continuing to expand and improve our capabilities in research at ROCF will facilitate growth opportunities, positively impacting the future of medicine.”

-Dr. Gregory Lundeen ~ Foot & Ankle

## JOURNALS ETC.

- **Rohrback M**, Ramtin, S, Abdelaziz A, Matkin L, Ring D, Crijns T., Johnson A. Rotator Cuff Tendinopathy: Magnitude of Incapability is Associated with Greater Symptoms of Depression Rather than Pathology Severity. Journal of Shoulder and Elbow Surgery. [PMID: 35461981]
- **Chodaba Y**, Andrews N, Halstrom J, Sankey T, Sanchez T, Harrelson W, Agarwal A, Shah A. First Metatarsophalangeal Arthrodesis for Hallux Rigidus and Hallux Valgus: A Comparison of Patient Reported and Clinical Outcomes. The Journal of Foot and Ankle Surgery. 2023. ISSN 1067-2516. <https://doi.org/10.1053/j.jfas.2023.02.008>.
- **Edmiston, Tori A**. “Lightning, Chapter 33.” Sideline Management in Sports, Springer Cham, 2023, pp. 443–460.
- Beenfeldt D, **Johnson P, Watts C**, Shannon S, **Swanson D, Althausen P**. Episiotomy-assisted Incarcerated Femoral Nail Removal: Technical Note. J Orthop Case Rep. 2023 Jan;13(1):70-73. doi: 10.13107/jocr.2023.v13.i01.3520. PMID: 37143564; PMCID: PMC10152952.



## RESEARCH COMMITTEE

The goal of this committee is to promote research within the ROC and the community, and to support new research ideas and projects.

# Outreach

## UCD/ROC FOOT & ANKLE EDUCATIONAL SYMPOSIUM

This annual course focuses on evidence-based practices for the use of the latest technology and surgical procedures used to treat orthopedic foot & ankle conditions and injuries.



### A Sample of 2023 Talk Topics:

- “The use of a sustained dynamic compression intramedullary nail for subtalar arthrodesis”
- “Flat foot reconstruction, is hybrid the way to go? “
- “Fibula Strut Graft TTC with Small Wire Frame”
- “Hallux Valgus correction with Internal Brace fixation”
- “Periprosthetic fracture after hindfoot fusion nail treated with spanning antegrade tibial nail”





# PERRY INITIATIVE

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*Encouraging women to enter orthopedics and engineering*

*We are the only Perry Initiative site in Nevada & Northern CA.*

## Keynote Speakers

Jessel Owens, MD - Orthopedic Surgeon

Nichole Joslyn, MD - Hand & Microvascular Surgeon

ROCF is proud to annually host the Perry Initiative in the fall. This event inspires young women to be leaders in the fields of orthopedic surgery and engineering, two fields in which women are drastically under-represented.

This 2-day program includes lectures from female surgeons and engineers, hands-on mock surgery modules, and networking opportunities for female high school and medical school students to interact with faculty and like-minded peers.



**26**

**High School  
students**



**18**

**Volunteers**



**9**

**1st & 2nd year  
Medical students**



**THE PERRY  
INITIATIVE**



University of Nevada, Reno  
**School of Medicine**

# FIRST ANNUAL GALA

September 15, 2023  
The Virgil

73  
Attendees

6  
Partner Educational  
Exhibits

5  
Sponsors



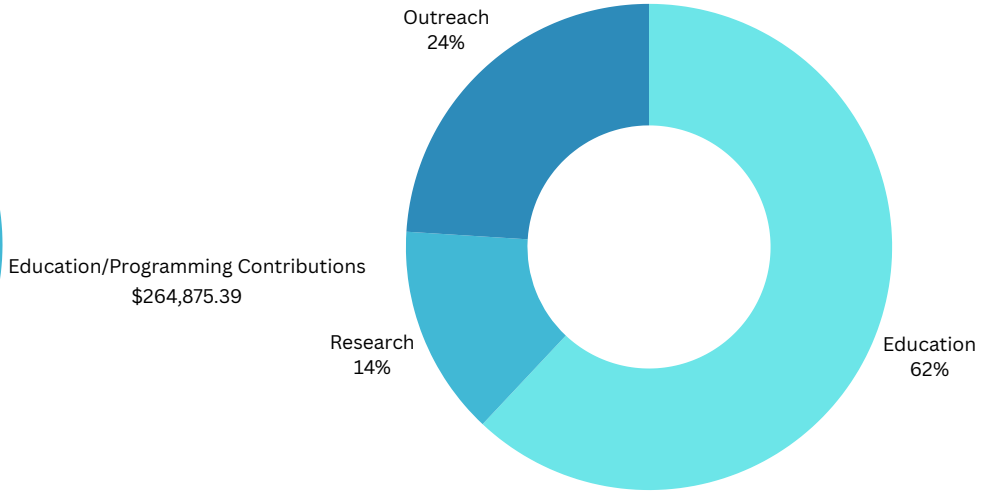
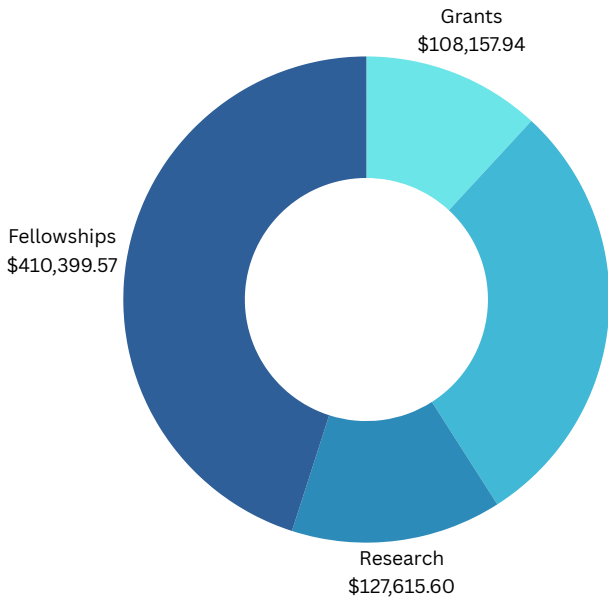


# 2023 Financial Overview



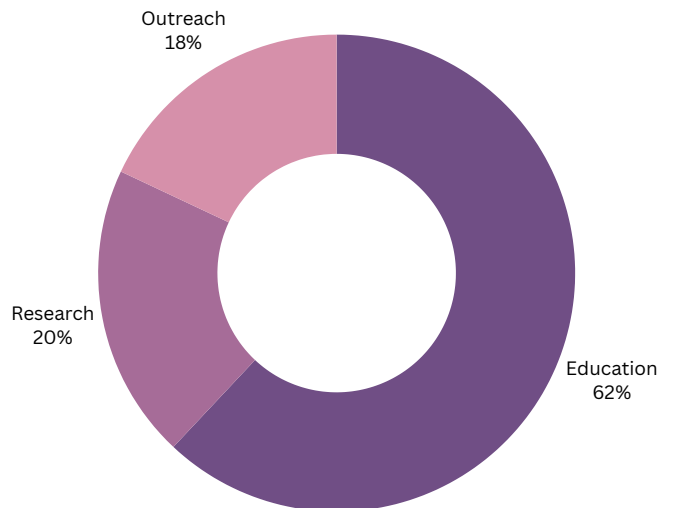
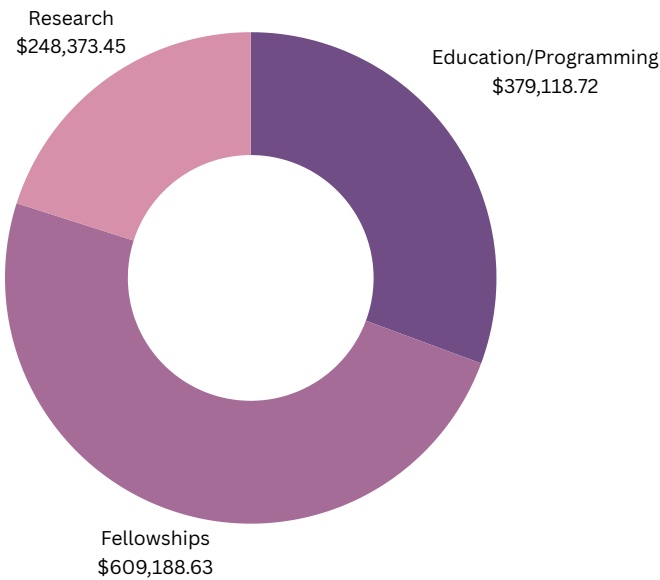
## REVENUE

\$911,048.50



## EXPENSES

\$1,236,680.80



# Thank you to our 2023 Sponsors & Partners!



*We could not do what we do without the support of these organizations.  
Thank you.*

**Reno Orthopedic Center (ROC)**

**ROC Foundation Board**

**ROC Joint Replacement**

**ROC Spine**

**Nevada Alliance for Youth Apprenticeship (NAYA)**

**University of Nevada, Reno  
School of Medicine**

**Washoe County School District**

**High Sierra AHEC**

**Center for Orthopedic Trauma  
Advancement (COTA)**

**Envirolution**

**Nevada Department of Education**

**College of Southern Nevada**

**Truckee Meadows Community  
College (TMCC)**

**Governor's Office of Science  
Innovation and Technology (GOSIT)**

**Renown Health**

**American Orthopedic Foot & Ankle Society  
(AOFAS)**

**Stryker**

**Restor3d**

**Evolution Surgical/Arthrex**

**Exactech**

**Hanger Clinic**

**Fusion Orthopedics**

**BioTissue Surgical**

**MiMedx**

**Orthofix/SeaSpine**

**Smith & Nephew**

**Bonesupport**

**Enovis**

**TriMed**

**Avitus Orthopaedics**

**MTF Biologics**

**Alafair Biosciences**

**Marrow Access Technologies**

**3M**

**Zimmer Biomet**

**Ossur**

**Treace Medical Concepts, Inc.**

**Sweetwater Pain and Spine**

**Nevada Pain & Spine Specialists**



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foundation

*[renoorthofoundation.org](http://renoorthofoundation.org)*