

## 2021 ANNUAL REPORT

**roc**  
foundation



# MESSAGE FROM THE DIRECTOR

At a time when we were required to stay apart to keep ourselves, our families, our friends and neighbors safe, our community, partners, and donors found ways to collaborate across digital and institutional divides, and when absolutely necessary, collaborate safely in person.

Thanks to the newly developed ROCF Chiron Committee, we found new ways to support lost learning opportunities by distributing hands-on medical learning modules to every high school in Washoe County School District. Students now have the opportunity to expand their understanding of medicine and engineering at home, in the classroom, and (when safe) in person.

Thanks to support from ROC, we open the Chiron Knowledge Center, a new 10,000 sq ft. lab that supports surgical training across all subspecialties. Surgeons, fellows, residents, and medical students need the opportunity to practice new techniques and train on new devices to ensure our patients receive the best and most up-to-date care. Now, medical professionals can train right in their own city, decreasing high-risk travel and increasing time with their families.

In the following pages, you will see more about what we accomplished this year and what's in store for 2022. As we continue to navigate this new normal, I want to thank our phenomenal staff, community members, volunteer medical professionals, and board of directors. Without whom, none of this would be possible.



Sara DePaoli  
ROCF Foundation Director

EDUCATION. RESEARCH. COMMUNITY ENGAGEMENT





## **Our Mission**

Classroom to lab to patient.

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

## **Supporting All**

With a large lecture room, and two fully equipped ORs, and multi-purpose lab spaces, the Chiron Center provides premium support to all surgery specialties seeking lab training and further education in healthcare.



**Sara DePaoli**  
ROCF



**Alexis Pinguelo**  
ROCF



**Josh Hartzog**  
Washoe County School District

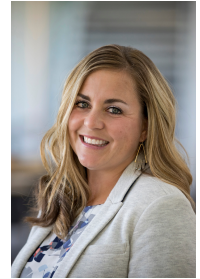


**Julie Ellsworth, Ph.D.**  
TMCC



**Vanessa Robertson, M.A**  
Envirolution

# CHIRON COMMITTEE



**Andrea Gregg**  
High Sierra AHEC



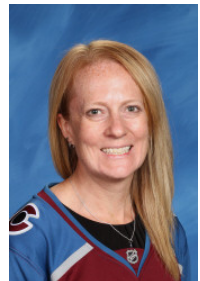
**Aimee Frugoli, LSW**  
Envirolution



**Matt MacKay**  
Washoe County School District



**Jerry Cail**  
Renown Health



**Jennifer Fisk**  
Nevada Department of Education



# PERRY INITIATIVE

**Encouraging women to enter orthopedics and engineering**  
**The only Perry Initiative site in Nevada**

This weekend-long program includes lectures from female surgeons, hands-on mock surgery modules, and networking opportunity for students to interact with faculty and like-minded peers.

***Thank you to our volunteer physicians and engineers, partners, and donors***

Meagan McCarthy, MD - Orthopaedic Surgeon

Nichole Joslyn, MD - Plastic Surgeon

Tracy Harig - APRN

Allie Janas - APRN

Alyx Colburn - Mechanical Engineer

Jessica Mead - MiMedx Rep

Haley Nadone - UNR Med MS2, Lead Medical Student Volunteer



University of Nevada, Reno  
School of Medicine

**Renown**<sup>®</sup>  
HEALTH



**THE PERRY  
INITIATIVE**



# ORTHOPAEDICS IN ACTION

In June 2021, ROCF distributed six hands-on reusable Orthopedics in Action (OIA) kits to every high school in Washoe County School District. Designed by the Perry Initiative, OIA kits bring new learning opportunities to the students as well as interesting and engaging ways to get hands-on experience with engineering and orthopedics.

## Each kit consists of:

- Hands-on Materials
- Step by step lesson plan
  - PowerPoint
- Student & teacher worksheets

## Modules:

Repair that Tear

Get a Grip

Ex-Fix

Scoliosis Diagnosis

Anatomy of the Knee

Fracture Puzzle

---

*Thank you to our sponsors*

***Renown Health Foundation***

***Robert Z. Hawkins Foundation***



# 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 2021 Talk Topics:

Tibial malunion treated with intramedullary lengthening nail

Use of the forefoot internal brace for plantar plate repair

Motion is maintained at the Tibial and Polyethylene Component Interface in a Mobile-Bearing

Total Ankle Arthroplasty at Mid and Long-term Follow-up

Deltoid ligament repair, internal brace, provide biomechanical data

Lapiplasty with 1st TMT modification with staples instead of plates with Aiken

AVN Tibia/Talus/Calcaneus—hindfoot fusion

3D Printed Cage For Bone Loss Management in an Infected Diabetic Ankle

## Thank you to our 2021 event sponsors

Restored

Stryker

DJO

Sequoia Surgical

Smith & Nephew

Bioventus

Hanger Clinic

Wright Medical

Alafair

Bone Support

OrthoFix

Steelhead Surgical

MiMedx

Stimlabs

BD

3M/KCI

Zimmer Biomet

Amniox

Ability

Stimlabs

Heron Therapeutics





# FELLOWSHIPS

## What is a Fellowship?

Orthopedic surgeons from around the United States apply to our fellowships to train in a specific subspecialty. These board-eligible physicians spend one year working with advanced surgeons to hone their skill set within their chosen subspecialty.

---

## What does "fellowship-trained" mean?

**4**

**4**

**5-6**

**1**

**=**

**15**

Years of  
Undergraduate

Years of  
Medical School

Years of  
Residency

Year of  
Fellowship

Years of  
Education



# FELLOWSHIPS

## **Reno Orthopaedic Trauma Fellowship Clinical Faculty**

Timothy Bray, MD (Director)  
Peter Althausen, MD  
Timothy O'Mara, MD  
David Swanson, MD  
Steven Shannon, MD

## **Tahoe Reno Arthroplasty Fellowship Clinical Faculty**

Michael Ries, MD (Co-Director)  
Eric Boyden, MD (Co-Director)  
Sanjai Shukla, MD  
Jackson Jones, MD  
Chad Watts, MD

## **UCD / ROC Foot & Ankle Fellowship Clinical Faculty**

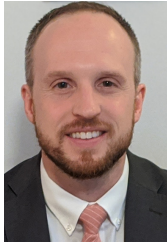
Gregg Lundeen, MD (Co-Director)  
Eric Giza, MD (Co-Director)  
Chris Kreulen, MD  
Scott Whitlow, MD  
Spenser Cassinelli, MD

## 2020-2021 Fellows



**Daniel Flinn, DO**

Medical School: Midwestern University  
Residency: Beaumont Health/Michigan State  
Fellowship: Reno Orthopaedic Trauma Fellow  
Position: Orthopaedic Surgery and Sports Medicine Associates (Temecula, CA)



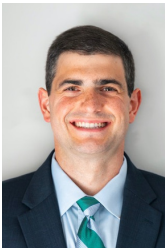
**Jace Bullard, MD**

Medical School: Case Western Reserve University  
Residency: University of Michigan Hospital System  
Fellowship: Reno Tahoe Arthroplasty Fellow  
Position: Orthopedic Center of Montana



**Erin Haggerty, MD**

Medical School: Keck School of Medicine at USC  
Residency: Cedars Sinai Medical Center  
Fellowship: UCD/ROC Foot & Ankle Fellowship  
Position: Alta Orthopedics (Santa Barbara, CA)



**Tyler Fraser, MD**

Medical School: University of Tennessee Health Science Center  
Residency: University of Tennessee  
Fellowship: UCD/ROC Foot & Ankle Fellowship  
Position: Ortho South Memphis (TN)

## 2021-2022 Fellows



**Pierce Johnson, MD**

Medical School: Drexel University College of Medicine  
Residency: Banner University of Arizona Phoenix  
Fellowship: Reno Orthopaedic Trauma Fellow



**Sean Sterrenberg, MD**

Medical School: Oregon Health Science University  
Residency: University of Washington  
Fellowship: Reno Tahoe Arthroplasty Fellow



**Gregory Walker, MD**

Medical School: Warren Alpert Medical School  
Residency: University of Washington  
Fellowship: UCD/ROC Foot & Ankle Fellow



**Tyler Hughes, MD**

Medical School: Boston University  
Residency: Harbor-UCLA Medical Center  
Fellowship: UCD/ROC Foot & Ankle Fellow



# TRAININGS & LABS

## Supporting All Surgical Subspecialties

---

### A Sample of 2021 Labs

#### ***Orthopedics***

---

Hexapod Study

Journey II XR Flouro Lab

Robotics Lab

Medical Students Trauma Pelvis Lab

MIS Lab

STAR Ankle Replacement

Shoulder Arthroscopy

Stryker Multi-specialty Training Lab

SNN TAR Lab

#### ***Gynecology***

---

Minimally Invasive Hysterectomy

#### ***Plastics***

---

Radiofrequency Skin Tightening

# 2021 CLINICAL TRIALS

**Study Title:** Prospective, Multi-Center Study to Evaluate the Safety and Effectiveness of the OR30™ Dual Mobility System in Primary and Revision Total Hip Arthroplasty (THA) Procedure

— **Investigators:** Sanjai Shukla, MD, Jackson Jones, MD, Chad Watts, MD

**Study Title:** A Multicenter Phase 3 Confirmatory Trial of Biotherapy using Cryopreserved Human Umbilical Cord (TTAX01) for Late Stage, Complex Non-healing Diabetic Foot Ulcers (ABULATE DFU II)

— **Investigators:** Gregory Lundeen, MD, MPH, Scott Whitlow, MD, Spenser Cassinelli, MD

**Study Title:** A Multi-Center, Randomized Controlled Study of Efficacy and Safety of the OXINIUM™ DH Total Hip Replacement System in Subjects with Non-Inflammatory Arthritis

— **Investigators:** Jackson Jones, MD, Sanjai Shukla, MD

**Study Title:** Post-Approval Study of the R3™ BioloX® Delta Ceramic Acetabular System—United States

— **Investigators:** Jackson Jones, MD, Sanjai Shukla, MD, Chad Watts, MD

**Study Title:** A Prospective, Multicenter, Post-Market Clinical Follow-up Study to Evaluate the Safety and Effectiveness of the Journey™ II XR Total Knee System

— **Investigators:** Jackson Jones, MD, Michael Ries, MD

**Study Title:** Safety and Performance of Primary Total Knee Arthroplasty using Legion™ CR Oxinium and CoCr Femoral Implants combined with Legion™/Genesis™ II XLPE High Flex Tibial Inserts

— **Investigators:** Eric Boyden, MD

**Study Title:** Safety and Performance of Journey™ II Cruciate Retaining (CR) Total Knee System (TKS): A Retrospective, Multicenter Study

— **Investigators:** Sanjai Shukla, MD, Jackson Jones, MD

**Study Title:** Effect of ZILRETTA versus CELESTONE on Quality of Life, Pain, Neuromuscular Function, and Physical Performance

— **Investigators:** Timothy Bray, MD



# RESEARCH STATISTICS

## Building Research Into All That We Do

Research requires the support of many, including primary investigators, industry sponsors, and the on-site research team. A credit to our research staff, investigators, and clinical and administrative team, we are proud to now house a sustainable high-volume research department.

**200**

research patient visits

**97.56%**

retention rate

**515**

total research patient visits  
2019-2021



# PARTNERS IN EDUCATION

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

**roc**  
reno orthopedic center

**stryker**

**OMeGA**  
MEDICAL GRANTS ASSOCIATION



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

**Renown**<sup>®</sup>  
HEALTH



# VOLUNTEERS

"One of the greatest gifts you can give is your time."

*We are incredibly grateful to the following individuals who donated their time and expertise to us in 2021.*

Abrianna Robles  
Aimee Frugoli  
Allie Janas  
Alyx Colburn  
Amy Fye  
Amy McFarland  
Audrey Adler  
Chad Watts  
Chris Kreulen  
Cory Wilcox  
Curt Erikson  
Danielle Simon  
Dave Gill  
David Kimball  
Davis Jay P. Ayers II  
Eric Boyden

Eric Galvan  
Eric Giza  
Greg Graves  
Gregory Lundeen  
Haley Nadone  
Holly Esposito  
Jackson Jones  
Jerry Cail  
Jessica Mead  
John Turri  
Jordan Dobrich  
Josette Zaklit  
Josh Hartzog  
Julie Ellsworth  
John Zebrack  
Justin Walker  
Kailey Machutta

Kathie Smith  
Lali Sekhon  
Letitia Bradford  
Lisa Mead  
Lori Beck  
Matt MacKay  
Meagan McCarthy  
Michael Kalisvaart  
Michael Ries  
Michael Welsh  
Naomi Albertson  
Nathan Nicolet  
Nichole Joslyn  
Nikola Babovic  
Peter Althausen  
Randi Hunewill  
Renny Uppal

Ryan Dobbs  
Sanjai Shukla  
Scott Whitlow  
Shana Fearnley  
Spenser Cassinelli  
Stephen Powers  
Suzanne Flint  
Sylvia Asare  
Sylvia Scoggin  
Thomas Christensen  
Timothy Bray  
Timothy O'Mara  
Tracy Harig  
Vanessa Barton  
Vanessa Robertson  
Wesley Frye





# WHAT'S NEXT?

## Education Initiatives

### **Certified Nursing Assistant (CNA) Program**

In partnership with TMCC & NAYA, the ROC Foundation will be hosting the first CNA program for high school students. The CNA Certification for High School Students pilot project will target Washoe County School District (WCSD) high school juniors going into their senior year. Students will apply through TMCC, and those accepted will receive 45 hours of lecture and 45 hours of skills lab at the Chiron Knowledge Center at no cost to the student.

### **Case Studies**

Case Studies is a video series of careers in healthcare that gives an inside look at careers in medicine, different routes to get there, what those careers look like, and the instruments & tools they use. Each video is 5-10 minutes long and introduce an ambassador for different careers in healthcare: surgeons, physical therapists, physician assistants, nurses, medical assistants, radiologic technologists, athletic trainers, surgical technologists, community health workers, and more

### **Food for Thought**

Monthly opportunities for industry to showcase new devices, products, and materials to ROC Physicians and APPs during the lunch hour, 2 times a month.

### **Orthopedics for Healthcare Professionals**

The ROC Foundation is pleased to bring back Orthopedics for the Healthcare Professional. This 2-day hybrid zoom conference provides the latest updates on the most common orthopedic injuries and disorders treated by the healthcare professional.



# ABOUT US

## **Board of Directors**

Timothy J. Bray, MD - President  
Gregg Lundeen, MD - Secretary  
Lisa Mead, MBA - Treasurer  
Sanjai Shukla, MD  
Danielle Eaton  
Ivy Spadone MS, PA-C

## **Staff**

Sara DePaoli - Foundation Director  
Alexis Pinguelo - Program Assistant  
Janice Ta - Certified Clinical Research Coordinator  
Elizabeth Nicholas - Research Assistant  
Kalysta Branco - Research Assistant

**Advancing  
musculoskeletal care  
through**

- Access -
- Research -
- Education -



**775-786-3416**  
**ckcreno.org**  
**more@renoortho.com**