UA COMP Orthopaedic Residency
Phoenix, AZ

Michael Lucero, MD
Program Director
The UA COMP Orthopaedic Residency was accredited to begin orthopaedic education in July 2007.

University of Arizona College of Medicine Phoenix is the sponsoring institution where the core curriculum, the PGY-1 rotations, MSK Trauma, Adult Reconstruction, Upper Extremity and research are based.

Four PGY-1 positions will be available in the 2016 match.
Alex C. McLaren, MD, served as the Program Director from 08/2005 to 02/2016 for the University of Arizona, College of Medicine Phoenix, Orthopedic Residency. After graduating from Queen's University School of Medicine, Kingston, Ontario, Canada in 1977, Dr McLaren completed an orthopedic residency at the University of Western Ontario in 1982 and a fellowship at the University of Southern California in 1983. Dr McLaren is first and foremost an orthopedic educator whose career includes research and administration of training programs. His clinical interests include orthopedic infections, revision arthroplasty and complex musculoskeletal trauma.
E Michael Lucero MD will become the Program Director for the UA COMP Orthopaedic Residency on Feb 8 2016. After graduating from the David Geffen School of Medicine at UCLA, Dr Lucero completed his orthopaedic residency at LAC-USC followed by a fellowship in adult reconstruction with Dr L Dorr at Center for Joint Reconstruction in Los Angeles. Dr Lucero has 20 years of clinical experience in arthroplasty of the hip and knee and Level 1 Trauma. He serves as clinical faculty for the program with a reputation for high quality clinical teaching and resident advocacy. He also served as the Associate Program Director during 2014.
University Affiliations

School of Biological and Health Systems Engineering
Harrington Dept. of Bioengineering
Biomedical Informatics

College of Medicine, Phoenix
Participating Institutions

1. Phoenix Children's Hospital (PCH)
2. Arizona State University (Tempe)
3. Banner Desert Medical Center
4. Banner Del E. Webb Medical Center
5. Banner Gateway Medical Center
6. Gateway Surgical Center (GSC)
7. Piper Surgical Center (PSC)
8. Arrowhead Hospital and Medical Center
9. Oasis Hospital
Clinical Rotations
Resident Rotations  PGY-1

1. Basic Surgical Skills, Anesthesia
2. Trauma and Emergency Surgery
3. Surgical ICU
4. Vascular Surgery
5. Plastic Surgery/Wound Care
6. Neurosurgery
7. MSK Trauma
8. MSK Trauma
9. MSK Trauma
10. Pediatric Orthopaedic Surgery - PCH
11. Hand & Upper Extremity
12. Foot and Ankle
## Junior Rotations: PGY 2&3

1. MSK Trauma | PGY 2 | BUMCP
2. MSK Oncology | PGY 2 | MD Anderson
3. Adult Reconstruction | PGY 2 | BUMCP
4. Research | PGY 2 | ASU
5. Pediatric Orthopaedics | PGY 3 | PCH, CRS
6. MSK Trauma | PGY 3 | BUMCP
7. Hand & Upper Extremity | PGY 3 | BUMCP
8. Sports Orthopaedics | PGY 3 | ASU, Oasis, Piper, Gateway
<table>
<thead>
<tr>
<th>Senior Rotations</th>
<th>PGY - 4&amp;5</th>
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<tbody>
<tr>
<td>9. Adult Reconstruction</td>
<td>PGY 5</td>
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<tr>
<td>10. Foot &amp; Ankle</td>
<td>PGY 4</td>
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<tr>
<td>11. Spine</td>
<td>PGY 4</td>
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<tr>
<td>12. Research</td>
<td>PGY 4</td>
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<tr>
<td>13. Adult Orthopaedics</td>
<td>PGY 5</td>
</tr>
<tr>
<td>14. Pediatric Orthopaedics</td>
<td>PGY 5</td>
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<tr>
<td>15. Arthroplasty</td>
<td>PGY 5</td>
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## Program Rotations

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<th>1</th>
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<tbody>
<tr>
<td>PGY 1</td>
<td>Basic Surgical Skills</td>
<td>Trauma</td>
<td>SICU</td>
<td>Vasc Surg</td>
<td>Neuro Surg</td>
<td>Plastic Surg</td>
<td>MSK Trauma</td>
<td>MSK Trauma</td>
<td>MSK Trauma</td>
<td>Ped Ortho PCH</td>
<td>Upper Extrem</td>
<td>Foot &amp; Ankle</td>
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<td>PGY 2</td>
<td>MSK Trauma</td>
<td>Adult Reconstruction</td>
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<td>MSK Oncology MD Anderson</td>
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<td>Research ASU</td>
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<td>PGY 3</td>
<td>MSK Trauma</td>
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<td>Hand &amp; Upper Extremity</td>
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<td>Pediatric Orthopaedics PCH</td>
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<td>Orthopaedic Sports Medicine OASIS, Piper, Gateway</td>
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<tr>
<td>PGY 4</td>
<td>MSK Trauma</td>
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<td>Foot &amp; Ankle</td>
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<td>Spine</td>
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<td>Research ASU</td>
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<td>MSK Trauma</td>
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Duty Hours

- 55 - 60 hours average
- Trauma Sx & MSK Trauma
  - ~75 – 80+ hours
- Night float for Level 1 Trauma
- 10 hour and 24 hour rules
  - occasional infractions
Program Didactics

Core Conferences

Anatomy
Anatomic Dissections
Basic Science
Clinical Acumen
Administrative Orthopaedics
Faculty Lectures
MSK Oncology
Journal Club/ Study Design and Stats
Grand Rounds
Morbidity and Mortality Conference

Rotation Conferences

Specialty Topics
Assigned Readings
Indications Conference
pre-op / post-op,
M & M

OITE question review is included in related sessions

Core Conferences 1:00pm – 600pm Wednesday
This is protected academic time. Attendance is required
Anatomy

• Monthly anatomy dissections
  – Fourth Wednesday each month
  – 11 sessions/year

• Fresh specimens are used for each dissection

• Junior/Senior/Student at each station
Endorsed Annual Meetings

• **PGY-1**
  • AO Basic Fracture course
  • Fundamental Critical Care Support

• **PGY-2**
  • American Association of Hip and Knee Surgeons Annual Meeting
  • MD Anderson MSK Pathology Review Course

• **PGY-3**
  • Orthopaedic Trauma Association Annual Meeting, Resident’s Fracture Course
  • AOFAS Resident Review Course

• **PGY-4**
  • International Pediatric Orthopaedic Symposium Annual Meeting
  • AO Spine NA course for residents
  • Miller Review Course

• **PGY-5**
  • American Academy of Orthopaedic Surgeons Annual Meeting
  • MD Anderson MSK Pathology Review Course
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<tr>
<th>OITE</th>
<th>2014</th>
<th>2015</th>
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<tbody>
<tr>
<td>Number of residents in your program</td>
<td>15</td>
<td>14</td>
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<tr>
<td>Your program’s percent correct</td>
<td>65.50%</td>
<td>64.40%</td>
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<tr>
<td>Your program’s percentile -- 155 Allopathic Programs</td>
<td>56</td>
<td>53</td>
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<tr>
<td>Your program’s percentile -- 234 programs</td>
<td>68</td>
<td>64</td>
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Faculty
Pediatric Orthopaedics

Phoenix Children’s Hospital

Children’s Rehabilitative Services
at St Joseph’s Hospital

J Karlen MD
J Vaughn DO
G White MD
Foot and Ankle
Banner Del E Web Medical Center

M Campbell MD
J McAllister DPM
Musculoskeletal Oncology

Banner MD Anderson Cancer Clinic

A DeComas MD
Orthopaedic Sports Medicine

TOCA
Gateway Surgery Center
Piper Ambulatory Surgery Center
OASIS Hospital

K Economopoulos MD

E Lederman MD
Research:

• Scope: In the UA COMP Orthopaedic Residency, we focus on clinically applicable basic science and translational research as a learning environment for professional development. Residents are actively involved in several arenas of research, including drug (antimicrobial) delivery, biomechanical and materials testing, motion analysis, motor skills, simulation, healthcare cost utilization database analysis (HCUP.NET), and clinical research.

• Structure: The UA COMP Orthopaedic Residency has a full time BSE Bioengineer to assist with project execution, and analysis. Two 3-month research rotations are included in the curriculum; one in the second year, and one in the fourth year. These rotations include didactic sessions covering statistics, study design, medical writing and orthopaedic engineering.

All residents are actively involved in annual scholarly projects which are present at our Annual Research Symposium each June
Research Resources at BGSMC

- Operating microscope
- AAOS – TOL haptic arthroscopy simulator
- Biaxial Electodynamic Static-Fatigue Materials Test Frame
Knee Arthroscopy Simulator

We are fortunate to be one of the few institutions in the country with an AAOS-TOL haptic simulator for knee arthroscopy.
ISTB-1 Houses the Center for Interventional Biomaterials at ASU in-situ setting polymers and local drug delivery
Antimicrobial Delivery for Orthopaedic Infections

The center includes facilities to study drug release, mechanical testing and imaging of a broad spectrum of delivery materials.
UA COMP Orthopaedics Resident Research Symposium

- Every resident is expected to complete a project each year
- All projects are presented at the annual UA COMP Ortho Resident Research Symposium in June
- Submission for presentation at national meetings and for publication in peer-reviewed journals is encouraged
Annual Resident Research Symposium

Visiting Professors:

2010 - George Cierny III, MD
2011 - Richard J. Hawkins, MD
2012 - Dennis Crandall, MD
2013 - Michael Patzakis, MD
2014 - Annunziato Amendola, MD
2015 - Samir Mehta MD
2016 - Jim Kellam MD
Banner University Medical Center Phoenix

- 663-bed, Level I Trauma Center
- A Magnet Hospital since 2005
Banner University Medical Center Phoenix

Residency programs:
- Surgery
- Internal Medicine
- Family Medicine
- OB/GYN
- Psychiatry
- Med-Peds
- Orthopaedic Surgery
- Emergency Medicine
- Oral Maxillo-Facial Surgery
Fellowship programs:

- Orthopaedic Sports Medicine
- Pediatric Orthopaedic Surgery
- Cardiology
- Interventional Cardiology
- Pulmonary Disease and Critical Care Medicine
- Gastroenterology
- Endocrinology
- Toxicology
- Geriatric Medicine
- Geriatric Family Medicine
Salary & Benefits

• 2015-2016 Salary:
  PGY-1: $52,500
  PGY-2: $55,000
  PGY-3: $57,500
  PGY-4: $60,200
  PGY-5: $63,500

• Vacation
  3 weeks/year
Salary & Benefits

• Benefits:
  – Medical
  – Dental
  – Vision
  – Pharmacy
  – 401K
  – Flex account
  – Legal plan
  – Life Insurance/
  – Accidental Death & Dismemberment

Further Details at Banner Health.com
Residents

- The program is accredited for 20 residents with 18 enrolled

- Four PGY-1 positions will be available in the 2016 match
Current Residents

on the web search Banner Orthopaedic Residency
Phoenix and the Surrounding Area
Phoenix Sports
Local Hiking

Camelback Mountain located in Central Phoenix, pictured here, as well as numerous other mountains surrounding the valley provide for great hiking and mountain biking opportunities.
Local Hiking

The 16,000-acre South Mountain Preserve, the largest municipal park in the country, contains 51 miles of primary trails for riding and hiking of all levels.
Also within 2-3 hours Drive:
Sedona
Water Sports

Pictured here is Saguaro Lake, one of numerous canyon lakes within a one to two-hour drive from downtown Phoenix.
Flagstaff
Grand Canyon
For more information please contact:

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Phone: 602-839-3671
orthopaedic.residency@bannerhealth.com