



Orthopaedic Trauma Institute

UCSF + SAN FRANCISCO GENERAL HOSPITAL

Why we are here?

- To mend the injured, inspire innovators, and empower leaders to restore lives.

San Francisco General Hospital: An Early Leader in Teaching, Research, Patient Trauma Care

- Founded, Indigent care contract (1849)
- Emergency Medical System (1873)
- Teaching Institute (1904)
- Trauma Center (1972)
- OTA (1985)



Trauma Growth 1966-1970



Admissions surgery	1966-67	1969-70
General surgery	382	1500
Trauma surgery	987	3143

SFGH Trauma Staff

	1971	1976
General Surgeons	4	7
Anesthesiologists	2	6
Orthopaedists	1	4
Neurosurgeons	0.5	3
Otorhinolaryngologists	0	1
Total Traumatologists	7.5	21

History of The Orthopaedic Trauma Association



- Drs. Ramon Gustilo, Edwin Bovill, and Michael Chapman meet in San Francisco, founding Orthopaedic Trauma Center Study Group (1977)

Orthopaedic Trauma Institute (Founded 2/19/09)

- **Clinical:**

- Orthopaedic Subspecialties (Trauma)
- Physical Medicine and Rehabilitation
- Podiatry
- Orthotics and Prosthetics

- **Education:**

- Student, Resident and Fellow Training
- Orthopaedic Trauma Course
- Surgical Training Facility

- **Research:**

- Laboratory for Skeletal Regeneration
- Biomechanical Testing Facility
- Clinical Research Center
- Procedure Based Research

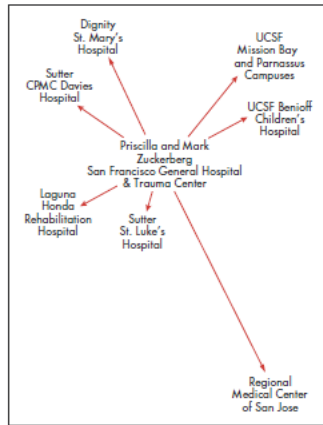
- **Outreach**





Orthopaedic Trauma Institute™

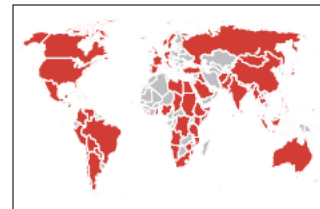
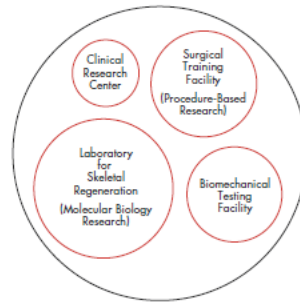
UCSF + SAN FRANCISCO GENERAL HOSPITAL



We care for patients with traumatic musculoskeletal injuries and non-traumatic orthopaedic conditions at these centers throughout the Bay Area.

MEND THE INJURED

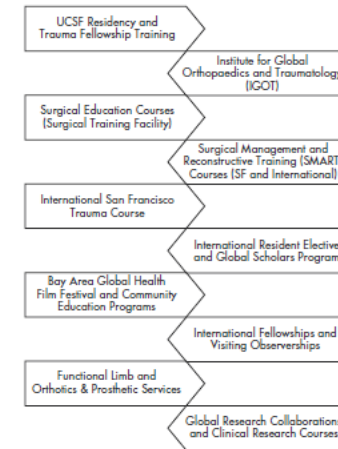
INSPIRE INNOVATORS



We have collaborated with leading clinicians, researchers, and students from these countries since our foundation in 2009.

EMPOWER LEADERS

RESTORE LIVES



Patient Care

SFGH Level I Trauma Center

- Only Trauma Center in the City and County of San Francisco
- Provider of Trauma care for the Northern portion of San Mateo County
- Service area of 1.5 million people



Orthopaedic Surgery Service

- Attendings
 - 13 Full-time ortho faculty (10 Ortho trauma fellowship trained)
 - 2 Full-time podiatry faculty
 - 3 Full-time physiatry faculty
 - 4 Full-time research faculty
- 2 Fellows
- Residents
 - 2 Teams (PGY-5, PGY-4, PGY-3, PGY-2)
 - PGY- 4 Residents (Foot and Ankle/Africa)
- Interns
 - 1 to 3 (GS, Ortho (6), ER)
- Students

Full-time Clinical Faculty

Physician

Coughlin, Richard
Kandemir, Utku
Lee, Nicholas
Marmor, Meir
Matityahu, Amir
McClellan, Trigg
Meinberg, Eric
Miclau, Theodore
Morshed, Saam
Shearer, Dave
Schroeder, Nicole
Toogood, Paul
Nagao, Masato
Pascual, Lisa
Dini, Monara
Parks, Chalres
Del Rosario, Karina

Specialties

Foot and Ankle
Sports
Trauma
Hand/Microvascular
Upper Extremity
Lower Extremity
Spine
Arthroplasty/Reconstruction
Trauma, Basic Research
Trauma, Clinical Research
Physical Medicine & Rehabilitation
Podiatry

Part-Time/Volunteers

Physician	Part-time
Delgado, Eliana (pediatrics)	1 day/week
Rosie Wustrack (oncology)	2 days/month

Clinical Sites

Provides additional surgical volume:

- UCSF Orthopaedic Institute / UCSF Parnassus Campus (UCSF)
- Regional Hospital of San Jose (HCA)

Web Page

Home | Orthopaedic Trauma Institute (OTI)

UCSF University of California, San Francisco | About UCSF | UCSF Medical Center | OrthoWeb

Department of Orthopaedic Surgery Browse our site > Orthopaedic Trauma Institute ▾

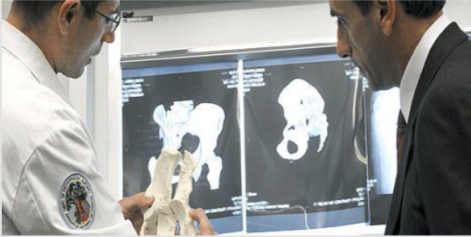
Home > OTI Search

About Faculty Support Contact Español

Patient Care Research Education Outreach Facilities

Meet our experts

"The staff at OTI were my caregivers and they were immensely kind, patient, and communicative. I was seen by some of the best orthopaedic surgeons in the city-some would argue the Bay Area. OTI staff are knowledgeable, accessible, and best of all friendly..." Stephanie Cruz, patient



Learn more about the OTI's faculty [MORE >](#)

SFGH Orthopaedic Trauma Institute

The Orthopaedic Trauma Institute is a collaboration between the University of California, San Francisco (UCSF) and the San Francisco General Hospital. The Institute provides expert care for all aspects of traumatic musculoskeletal injuries, including inpatient and outpatient orthopaedic surgical care, rehabilitation, and orthotics and prosthetics.

[and physicians from the Department of Orthopaedic Surgery at UCSF with training and experience in treating these conditions staff the Institute.](#)

Our Mission:
To mend the injured, inspire innovators, and empower leaders to restore lives.

NEWS & EVENTS

Major Announcement – Mark Zuckerberg and Priscilla Chan give \$75 million to support San Francisco General Hospital and Trauma Center
Mark Zuckerberg and Priscilla Chan give \$75 million to support...

OTI researchers and physicians authored article published on 'Frontiers'
OTI researchers and physicians (Chelsea Bahney, PhD, Diane P. Hu...

UCSF Orthopaedic Surgery is #2 in the Nation for NIH Funding a Recent Report Finds
We are very proud to announce that in the recently...

[MORE NEWS >](#)

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2550 23rd Street
Building 9, 2nd Floor
San Francisco, CA 94110

Social Media

Facebook:

<https://www.facebook.com/pages/Orthopaedic-Trauma-Institute/232727505789>

Yelp:

<https://www.youtube.com/channel/UCfj2hzNFiS1akAknwqnZvdw>

Videos

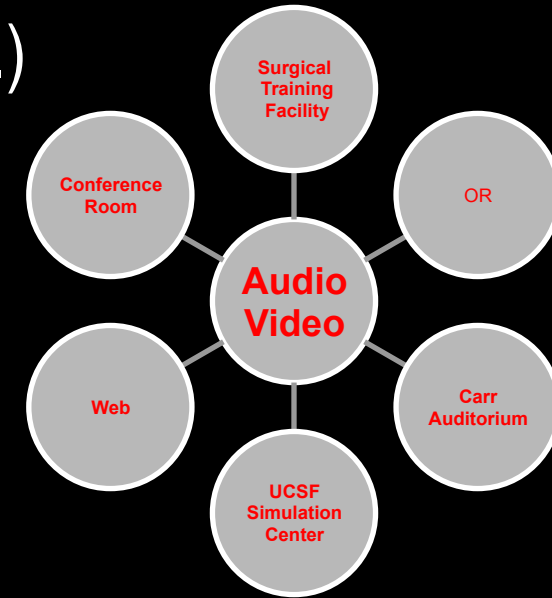
OTI Channel: <https://www.youtube.com/user/orthosurgery>

IGOT Channels: <https://www.youtube.com/channel/UCfj2hzNFiS1akAknwqnZvdw>
<https://vimeo.com/igot>

Education

Education: Surgical Training Center

- 1062 ASF Training Center (6 stations, 3 conf. rooms.)
- Fully integrated audiovisual capacity
- Opened in November: 2007; 800+ Courses/ 10,000+ attendees
- Surgical skills training, technique based research
- Microsurgical facility
- National Association Courses (AAOS, AOSSM)



Annual San Francisco Orthopaedic Trauma Course

13th Annual Course

National/International faculty (54)

- > 500 Attendees (40 of 50 States; 15 countries)
- Pre-course Case Review
- Nursing Course

Research

SFGH Orthopaedic Research Facilities

- Laboratory for Skeletal Regeneration
(Molecular Biology)
- Biomechanical Testing Facility
(Biomechanics)
- Clinical Research Center
- Surgical Training Facility
(Procedure Based Research)

Laboratory for Skeletal Regeneration

Staff:

- 18 total investigators
(PIs: Ralph Marcucio, PhD, Director; Chelsea Bahney, PhD & Nathan Young, PhD)
- 6 PhDs
- 4 MDs
- 1 graduate student
- 1 medical student
- 1 research assistant
- 3 undergraduate research fellows
- 1 medical student research fellow
- 1 dental student research fellow



Journal of Bone and Mineral Research
JBMR

Original Article

Stem Cell-Derived Endochondral Cartilage Stimulates Bone Healing by Tissue Transformation

Chelsea S Bahney^{1,2,*}, Diane P Hu¹, Aaron J Taylor¹, Federico Ferro¹, Hayley M Britz³, Benedikt Hallgrímsson⁴, Brian Johnstone⁴, Theodore Miclau¹ and Ralph S Marcucio¹

Article first published online: 22 APR 2014
DOI: 10.1002/jbmr.2148

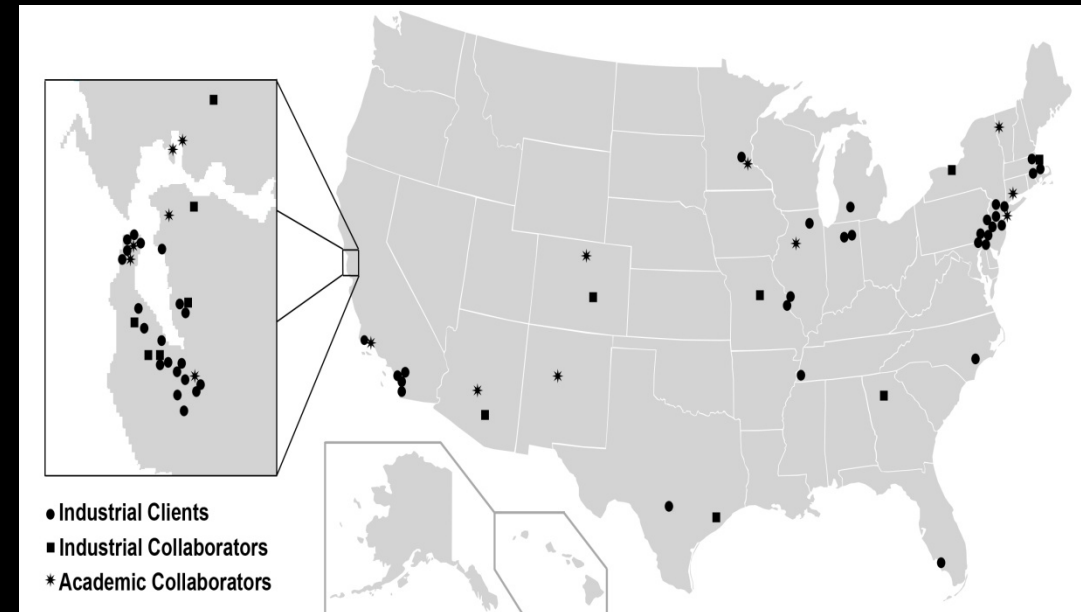
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Issue

Journal of Bone and Mineral Research
Volume 29, Issue 5, pages 1269–1282, May 2014

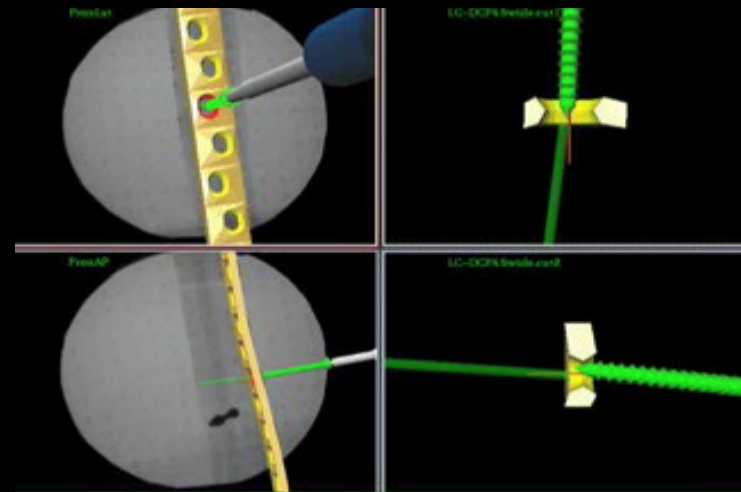
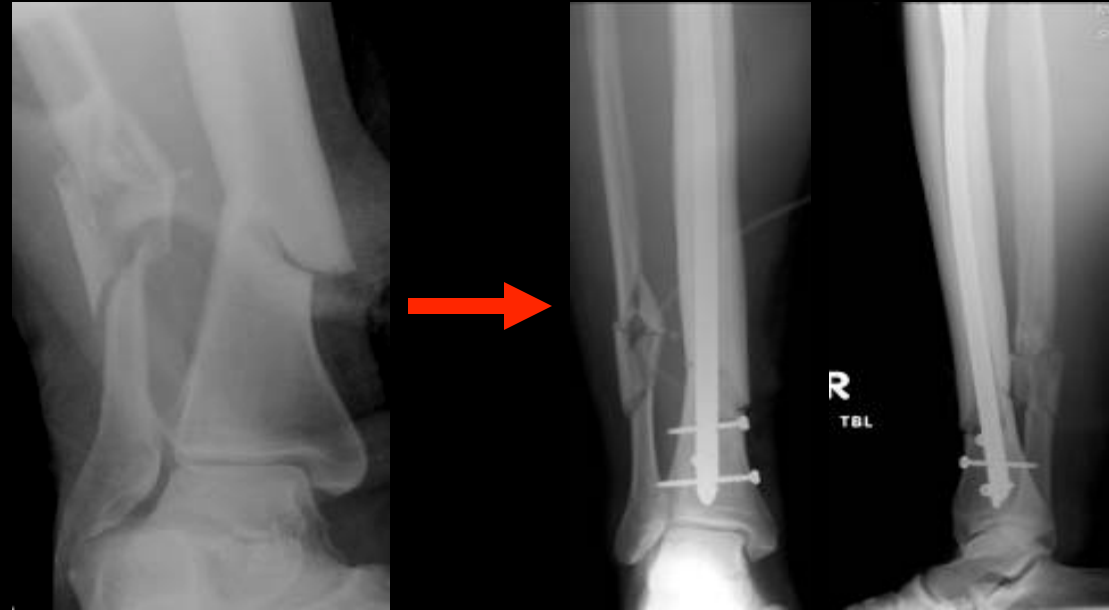
Biomechanical Testing Facility

- Professional Engineers, Interns, and Students
- Supports UCSF Ortho residency programs
- Interface with Surgical Training Facility



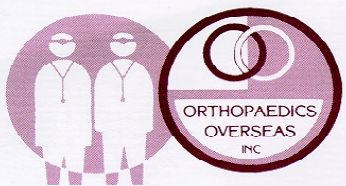
Clinical Research Center

- 25+ ongoing Fracture-related projects
- Core Center, Department of Defense Grant METRC (>\$72M budget; clinical research studies)
- 6 extramurally funded multi-center prospective randomized trials



Outreach

Volunteer Initiatives



- Orthopaedics Overseas
 - (Richard Coughlin, Board Chair)
- Oberlin Dance Collective
 - Dance Medicine Clinic
- SF Mounted Sheriff Program
- Community Activities
 - Mission Youth Soccer
 - Playsafe



IGOT



Department of Orthopaedic Surgery
Univ. of California, San Francisco

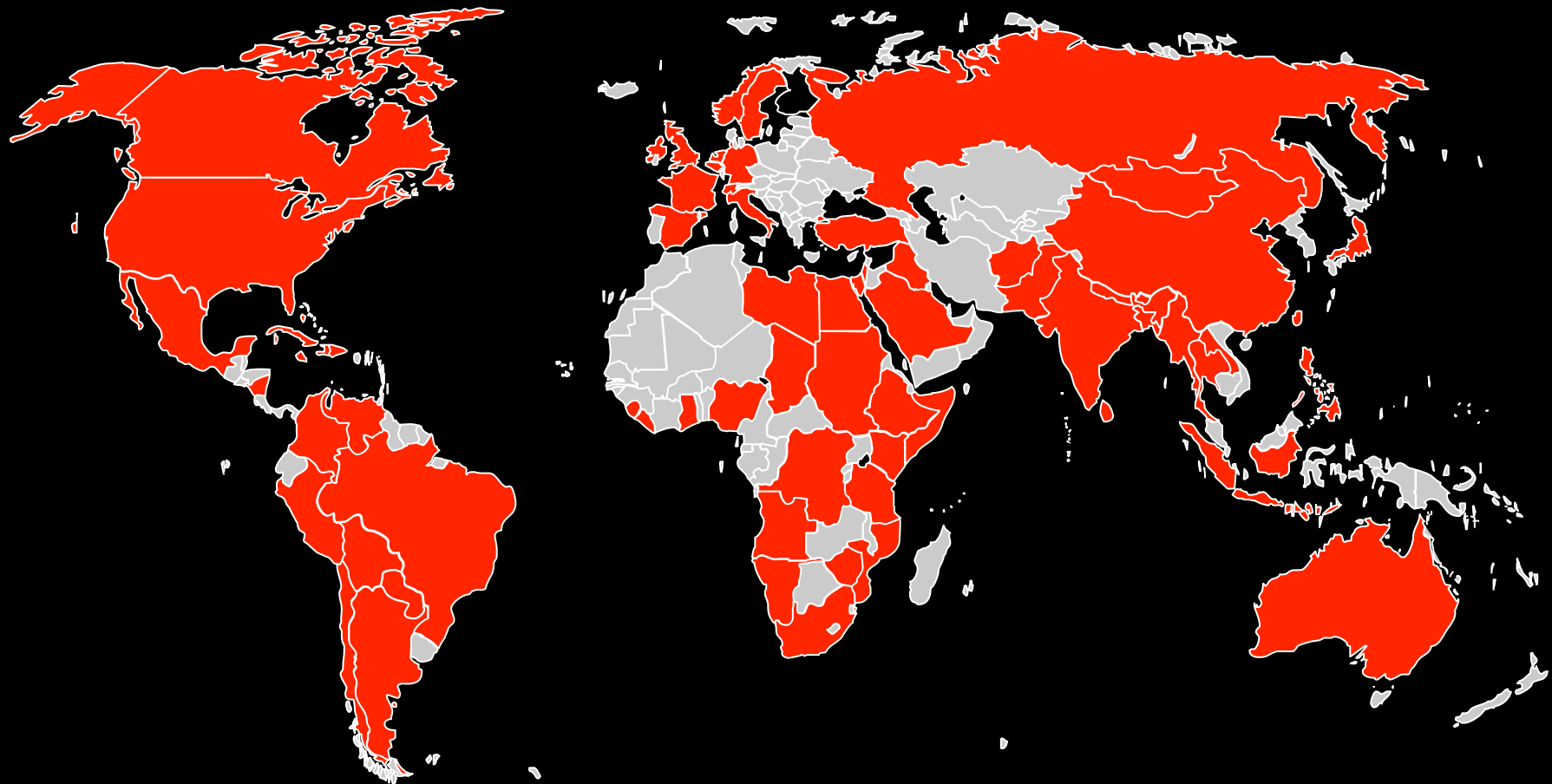


Orthopaedic Trauma Institute
San Francisco General Hospital

IGOT was founded by the faculty and residents of the UCSF Department of Orthopaedic Surgery to **improve the healthcare** of the burden of musculoskeletal disease in underserved populations through the development of sustainable programs

IGOT Pillars

- Global Advocacy & Leadership
 - “Bay Area Global Health Film Festival”
- Global Knowledge Exchange
 - Scholar Observerships
- Global Surgical Education
 - International SMART Course
 - IGOT Portal
- Global Research Initiative
 - 2015 Best Paper Award @OTA



Thank You



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www.orthotrauma.com

Referrals: 415-20-ORTHO