POSNA RESEARCH MENTORS

Name: Haluk Altiok MD
Address:
Shriners Hospital for Children
2211 N Oak Park Ave
Chicago, IL  60707
Phone: (773)385-5493
Email: haltiok@shrinenet.org
Research Area(s) of Expertise: Clinical trials/outcomes, Quality of life
Technical Expertise: Foot deformities, lower extremity deformities/deficiencies, tibial pseudoarthrosis
Current Research Projects: Long term outcome of Van nes rotationplasty; 3-D fluoroscopic examination of foot mechanics and deformities; Ollier’s Disease and Limb lengthening; Spinal Deformity Correction & Tethered Cord Syndrome
Brief Description of Current Research Focus:
Preferred Level of Involvement:
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

Name: Donald S. Bae, MD
Address:
300 Longwood Ave
Boston, MA  02115
Phone: (617)308-3679
Email: donald.bae@childrens.harvard.edu
Research Area(s) of Expertise: Hand and upper extremity
Technical Expertise: N/A
Current Research Projects: N/A
Brief Description of Current Research Focus: congenital hand differences, upper extremity trauma and sports
Preferred Level of Involvement:
Provide advice on research questions or career development

Name: Lori Dolan, PhD
Address:
Dept of Orthopaedics and Rehab
01079 JPP/UIHC 200 Hawkins Dr
Iowa City, IA 52242-1008
Phone: (319) 356-1075
Email: lori-dolan@uiowa.edu
Research Area(s) of Expertise: Clinical Trials-design and execution; Epidemiology; Measurement-reliability and validity; Systematic Reviews
Technical Expertise: SAS coding
**Current Research Projects:**  Trial Director, Bracing in Adolescent Idiopathic Scoliosis
**Brief Description of Current Research Focus:**  Outcomes to treatment for adolescent idiopathic scoliosis
**Preferred Level of Involvement:**
Provide advice on research questions or career development
Read and critique manuscripts and grants
Collaborate or serve as a consultant to a grant or project

**Name:**  Jean Dubousset, MD  
**Address:**  
23 bis rue des Cordelieres  
75013 Paris  France  
**Phone:**  (00)33-(0)607635272  
**Email:**  jean.dubousset@wanadoo.fr  
**Research Area(s) of Expertise:**  N/A  
**Technical Expertise:**  N/A  
**Current Research Projects:**  3D reconstruction in orthopaedics; 3D balance evaluation especially for aging spine; Etiology of Idiopathic scoliosis; strategy of spinal instrumentation  
**Brief Description of Current Research Focus:**  
**Preferred Level of Involvement:**  
Provide advice on research questions or career development
Read and critique manuscripts and grants
Collaborate or serve as a consultant to a grant or project

**Name:**  Shawn Gilbert, MD  
**Address:**  
1600 7th Ave South  
ACC Suite 316  
Birmingham, AL 35233  
**Phone:**  205-638-5385  
**E-mail:**  shawng@uab.edu  
**Research Area(s) of Expertise:**  Vascularity and bone healing (basic science); Obesity and fracture; Elbow injuries; Growth harnessing, clubfeet – clinical studies  
**Technical Expertise:**  Molecular biology, genetic mouse models, small animal imaging  
**Current Research Projects:**  Drug screening for HIF activators
Increasing angiogenesis to improve bone healing
Prospective randomized trial comparing clubfoot orthoses  
**Brief Description of Current Research Focus:**  As above  
**Preferred Level of Involvement:**  
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project
Name: J. Anthony Herring MD  
Address:  
Texas Scottish Rite Hosp  
2222 Welborn  
Dallas, TX 75219-3924  
Phone: (214) 559-7556  
Email: tony.herring@tsrh.org  
Research Area(s) of Expertise: clinical studies, both retrospective and prospective, Perthes, limb deficiency, DDH  
Technical Expertise:  
Current Research Projects: intermediate and long term outcome in Legg Perthes Disease  
Brief Description of Current Research Focus: see above  
Preferred Level of Involvement:  
Provide advice on research questions or career development  
Read and critique manuscripts and grants  
Have young investigator visit my lab or institution  

Name: Michelle James, MD  
Address:  
2425 Stockton Blvd  
Sacramento, CA 95817  
Phone: 916-453-2049  
Email: mjames@shrinenet.org  
Research Area(s) of Expertise: children’s hand and upper extremity function; congenital malformations, neuromuscular conditions and burns affecting the upper extremity.  
Technical Expertise: hand surgeon; journal editor (JBJS Deputy Editor for Hand/Upper Extremity)  
Current Research Projects: 1) multicenter randomized trial of surgery vs. botulinum toxin in upper extremity CP (Shriners grant); 2) kinematics of thumb motion (POSNA/OREF grant); 3) multiple retrospective clinical studies  
Brief Description of Current Research Focus: children’s hand function  
Preferred Level of Involvement:  
Provide advice on research questions or career development x  
Have young investigator visit my lab or institution x  

Name: Harry Kim, MD  
Address:  
Texas Scottish Rite Hospital  
2222 Welborn St  
Dallas, TX 75219  
Phone: 2014-559-7871  
Email: harry.kim@tsrh.org  
Research Area(s) of Expertise: Perthes disease, femoral head osteonecrosis, BMP application  
Technical Expertise: histomorphometry, immunohistochemistry, RNA and protein analysis  
Current Research Projects: 
1. Developing new therapeutic strategies for juvenile femoral head osteonecrosis,
2. Understanding the biology of congenital pseudarthrosis of tibia
3. Biological treatments to stimulate bone healing
4. Clinical research on the role of contrast MRI in Perthes disease

**Brief Description of Current Research Focus:**
1. Developing new therapeutic strategies for juvenile femoral head osteonecrosis; large animal model of ischemic osteonecrosis is used to study the development of femoral head deformity and to test new biological treatments to prevent the deformity.
2. Understanding the biology of congenital pseudarthrosis of tibia: cells from congenital pseudarthrosis of tibia are used to study their expression of factors involved in osteoblastic and osteoclastic activities
3. Biological treatments to stimulate bone healing: new agents are being tested using in vitro assays for osteogenic potentials.
4. Clinical research on the role of contrast MRI in Perthes disease: clinical studies are being performed to investigate the utility of perfusion MRI in prognosticating outcome in Perthes disease.

**Preferred Level of Involvement:**
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

**Name:** Randall Loder, MD
**Address:**
Riley Children’s Hospital
702 Barnhill Drive
ROC 4250
Indianapolis, IN 46202
**Phone:** (317)278-0961
**E-mail:** rloder@iupui.edu

**Research Area(s) of Expertise:** SCFE, pediatric trauma, measurement variability
**Technical Expertise:** No lab technical expertise
**Current Research Projects:** N/A
**Brief Description of Current Research Focus:** N/A
**Level of Involvement Desired:** Available for advice; Active collaboration on a project or a grant (co-investigator)

**Name:** James McCarthy, MD
**Address:**
Cincinnati Children’s Hospital
Division of Pediatric Orthopaedics Medical Center
Surgery -MC #2017
3333 Burnet Ave
Cincinnati, OH 45229
**Phone:** (513)636-4787
**E-mail:** james.mccarthy@cchmc.org
**Research Area(s) of Expertise:** Pediatric hip disorders, Limb deformity, Cerebral Palsy and Gait Analysis

**Technical Expertise:** Biomechanical analysis, Hip scopes, External fixation

**Current Research Projects:** Proximal femoral growth arrest, Scoliosis in children with SMA, FAI, growth plate injuries

**Brief Description of Current Research Focus:** Pediatric hip disorders and limb deformity; Cerebral palsy and gait analysis

**Level of Involvement:** Available for Advice

**Name:** Norman Y Otsuka, MD

**Address:**
Center for Children  
NYU Hospital for Joint Diseases  
301 East 17th Street  
New York, NY 10003

**Phone:** (212)598-6286  
**E-mail:** norman.otsuka@nyumc.org

**Research Area(s) of Expertise:** Outcomes Research, Lower Extremity, Cerebral Palsy

**Technical Expertise:** N/A

**Current Research Projects:** N/A

**Brief Description of Current Research Focus:** N/A

**Level of Involvement:**  
Available for advice; Grant review or assistance; Provide technical assistance; Visit facility  
Research fellowship; Active collaboration

**Name:** Sanjeev Sabharwal, MD, MPH

**Address:**  
Professor, Department of Orthopaedics  
Chief, Division of Pediatric Orthopaedics  
UMDNJ - New Jersey Medical School  
90 Bergen Street, DOC 7300  
Newark, NJ 07103

**Phone:** (973) 972-0246  
**Fax:** (973) 972-1080  
**Email:** sabharsa@umdnj.edu

**Research Area(s) of Expertise:** Limb length discrepancy. Limb deformities. Limb lengthening and deformity correction

**Technical Expertise:** N/A

**Current Research Projects:** Blount disease. Deformity correction. Venous thromboembolism in children

**Brief Description of Current Research Focus:** N/A

**Preferred Level of Involvement:**  
Provide advice on research questions or career development  
Read and critique manuscripts and grants  
Collaborate or serve as a consultant to a grant or project
Name: David Skaggs, MD
Address:
Professor and Chief of Orthopaedic Surgery
Children's Hospital Los Angeles
University of Southern California School of Medicine
Children's Hospital Chair of Pediatric Spinal Disorders
www.childrensorthopaediccenter.com
4650 Sunset Blvd, #69
Los Angeles, California, 90027
Phone: (323)361-4658
Email: dskaggs@chla.usc.edu
Research Area(s) of Expertise: clinical research in trauma, spine and access to health care
Technical Expertise:
Current Research Projects:
Brief Description of Current Research Focus:
Preferred Level of Involvement:
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

Name: Daniel J. Sucato, MD, MS
Address:
Texas Scottish Rite Hospital
2222 Welborn Street
Dallas, TX 75219
Phone: (214)559-8471
Email: dan.sucato@tsrh.org
Research Area(s) of Expertise: clinical research, animal research
Technical Expertise: Spine and hip surgery
Current Research Projects: Spine deformity and hip projects
Brief Description of Current Research Focus:
Preferred Level of Involvement:
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

Name: George H. Thompson, MD
Address:
11100 Euclid Ave
Cleveland, OH 44106
Phone: (216)844-5416
Fax: (216)844-1122
Email: ght@po.cwru.edu
Research Area(s) of Expertise: Pediatric spinal deformities, databases, scientific writing
Technical Expertise: Pediatric spinal deformities

Current Research Projects:
Bipolar sealing device in decreasing perioperative blood loss in idiopathic and neuromuscular scoliosis surgery
Effects of obesity in surgery for idiopathic scoliosis
Serial Risser casts in early onset scoliosis
Proximal foundation junctional kyphosis and failure in growing rod constructs
The use of Universal Clamps in neuromuscular scoliosis

Brief Description of Current Research Focus:

Preferred Level of Involvement:
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

Name: Armando Torres, MD, MSc, FACS
Address:
Cirujano Ortopedista y Traumatólogo
Maestro en Ciencias Médicas
Investigador Clínico
Asociación Médica. Centro Médico ABC
Consultorio: Sierra Nevada 234
Lomas de Chapultepec
MEXICO, DF 11000
Phone: 52 (55) 55407740
Email: Atorresmd@yahoo.com
Research Area(s) of Expertise: Clinimetrics, Reliability and Validity, Clinical Epidemiology and Biostatistics, Health economy, Evidence-Based Medicine
Technical Expertise: Biostatistics, Study Design
Current Research Projects: Quality of Life and Function; Reliability of the Diméglio’s classification for clubfoot; Cost-effectiveness of the Ponseti method; Bioethics; Genomic variants in patients with clubfoot; Several epidemiological studies
Brief Description of Current Research Focus: Health Measurement Scales, Clubfoot, Clinical epidemiology on different pediatric orthopaedic conditions
Preferred Level of Involvement: Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project

Name: Li Zhao, MD, PhD
Address:
Dept of Pediatric Orthopaedics
Xin-Hua Hospital/Shanghai Jiao Tong Univ Sch of Med
Shanghai, 200092, CHINA
Phone: 86-21-25078999 x8470
Email: orthzl@126.com

Research Area(s) of Expertise:
Follow-up and outcome measure, congenital clubfoot using Ponseti method
Sonographic examination of the infant hips
Follow-up and outcome measure, conservative and surgical management of DDH
Biomaterial in repairing the infected segmental bony defect
Epidemiology of extremity fractures in childhood and adolescence

Technical Expertise:
Ultrasound in hip, foot and calf
Congenital clubfoot, Ponseti method
Developmental dysplasia of the Hip (DDH), open reduction + pelvic or periacetabular osteotomy + osteotomy at proximal femur
Animal model of infected segmental bony defect
Biomaterial of various porosities

Current Research Projects:
Standardization of hip screening in infants
Porosity gradient β-tricalcium phosphate for antibiotic and rhBMP-2 delivery to treat infected bone defect
Guided growth for correction of lower limb malalignment
Ponseti method at various age groups
Conservative management of idiopathic scoliosis

Brief Description of Current Research Focus:
To test the effectiveness of Graf’s classification in Chinese population for the reference in infant hip screening
To demonstrate the role of porosity in releasing the loaded antibiotics and the other anti-infective chemicals
To measure the outcome of hemiepiphysiodesis on the clinical and experimental base
To demonstrate the effectiveness of Ponseti method in the management of congenital clubfoot at various age groups, even after extensive soft tissue surgery, with a reference to indication for bracing
To demonstrate the effectiveness of conservative method in the management of idiopathic scoliosis

Preferred Level of Involvement:
Provide advice on research questions or career development
Read and critique manuscripts and grants
Have young investigator visit my lab or institution
Collaborate or serve as a consultant to a grant or project