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## **Dr. Katherine Au, MD**

*Board Certified in Plastic Surgery & Surgery of the Hand*

*Double board-certified surgeon with more than 15 years of clinical expertise. Highly specialized in **adult and pediatric acute hand injuries.***

### **EDUCATION**

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- **University of California – Los Angeles**, Los Angeles, CA (2008-2009)  
Hand and Microsurgery Fellowship
- **Penn State, Milton S. Hershey Medical Center**, Hershey, PA (2006-2008)  
Plastic Surgery Resident
- **Penn State, Milton S. Hershey Medical Center**, Hershey, PA (2003-2006)  
General Surgery Resident
- **Pennsylvania State College of Medicine**, Hershey, PA (2003)  
Medical Degree
- **University of California - Berkeley**, Berkeley, CA (1997)  
Bachelor of Arts, Molecular and Cellular Biology

### **PROFESSIONAL EXPERIENCE**

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- **Shriners for Children Medical Center, Los Angeles** – Hand and Plastic Surgery (2017 to current)
- **Orthopedic Institute for Children, Los Angeles** – Hand and Plastic Surgery (2010 to current)
- **Shriners Hospital for Children, Los Angeles** – Hand and Plastic Surgery (2009 to 2017)

### **ACADEMIC APPOINTMENTS**

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- **Clinical Assistant Professor**, UCLA Department of Orthopedics (2009-current)
- **Clinical Assistant Professor**, USC Division of Plastic Surgery (2010-current)

## LICENSURE AND CERTIFICATION

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- Subspecialty of Surgery of the Hand Certificate (2011)
- Diplomate American Board of Plastic Surgery (2010)
- California Fluoroscopy License

## PROFESSIONAL MEMBERSHIPS

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- American Society of Plastic Surgeons
- American Society for Surgery of the Hand
- Pediatric Hand Study Group

## HONORS AND AWARDS

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- Southern California Super Doctors (2017)
- Southern California Rising Stars (2015)
- Southern California Rising Stars (2014)
- Southern California Rising Stars (2013)
- Dept. of Surgery Resident Professionalism/Humanism Award (2008)
- Steven H. Miller Outstanding Plastic Surgery Teaching Award (2007)
- Elan Pharmaceuticals Scholars of Surgery Award for ITSBE (2004)
- Alpha Omega Alpha Honor Society (2003)
- Penn State College of Medicine Dean's Award (2003)
- Dr. C. McCollister and Nancy L. Evarts Scholarship Award (2003)

## RESEARCH & PUBLICATIONS

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**Au, K**, Ehrlich, HP, (2010) When the Smad Signalling Pathway is Impaired, Fibroblasts Advance Open Wound Contraction. *Exp. Mol. Pathol.* 89(3):236-40.

**Au, K**, Meals, R, (2009) Review of Andrew Weiland, *Acute Management of Hand Injuries, J. Hand Surgery.* 34:5, 962.

**Au, K**, Hazard, SW, Miraliakbari, R, Boustred AM, Mackay, DR, (2008) Correlation of Complications of Body Contouring Surgery with Increasing Body Mass Index. *Aesthetic Surgery Journal.* 28:4 425-429.

**Au, K**, Mackay, DR, Ehrlich, HP, (2007) Does Rat Granulation Tissue Maturation Involve Gap Junction Communications? *Plast Recon Surg.* 120:1 91-99.

Au, S, **Au, K**, Karne, N, Saggars, G, Ehrlich, HP, (2006) Rat Mast Cells Communicate with Fibroblasts Via Gap Junction Intercellular Communications. *J. Cell. Biochem.* 10/24.

**Au, K**, & Boustred, AM, (2005) Local Necrotizing Skin Infections in an HIV Patient with Porphyria Cutanea Tarda. *Plast. Recon. Surg.* 115:3 975-6.

Breckler, J, **Au, K**, Cheng, J, Hasson, T and Burnside, B (2000) Novel Myosin VI Isoform is Abundantly Expressed in Retina. *Exp. Eye Res.* 70, 121-134.

## PRESENTATIONS

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### Local/Regional:

Ellis, C, **Au, K**, Pediatric Hand Burns: Experience with Plantar Split Thickness Grafts. American College of Surgeons- Southern California, Los Angeles, CA, 7/2011.

**Au, K**, Vangelisti, G, Ehrlich, HP, Phenylarsine oxide Promotes Uniform Tenocyte Orientation in Fibrin. Ivy Society of Plastic Surgeons, Valley Forge, Pennsylvania, 4/2008.

**Au, K**, Saggars, G, Allison, G, Ehrlich, HP, The Smad Signaling Pathway Action on Open Wound Repair. Robert H. Ivy Society of Plastic Surgeons, Hershey, PA, 3/2007.

**Au, K**, Cutroneo, K, White, S., and Ehrlich, HP, Granulation Tissue Response to Specifically Blocking Type I Procollagen Transcription. Northeastern Society of Plastic Surgeons. Boston, MA 12/2006.

**Au, K**, Cutroneo, K, White, S., and Ehrlich, HP, Granulation Tissue Response to Specifically Blocking Type I Procollagen Transcription. Combined Robert H. Ivy Society of Plastic Surgeons and Ohio Valley of Plastic Surgeons, Pittsburgh, PA 6/2006.

***Winner of Best Basic Science Research Paper***

**Au, K**, Mackay, DR, Ehrlich, HP, Oleamide Blocks Gap Junction Intercellular Communications and Retards the Maturation of Granulation Tissue. Ivy Society of Plastic Surgeons, Allentown, PA 4/2005.

**Au, K**, Mackay, DR, Ehrlich, HP, The Demonstration of Gap Junction Intercellular Communications Between Mast Cells and Fibroblasts in Rat Granulation Tissue. Northeastern Society of Plastic Surgeons, Naples, FL 01/2005.

***Winner of Best Basic Science Research Paper***

Miraliakbari, R, **Au, K**, Boustred AM, Mackay, DR, Correlation of Postoperative Complication Rate with Rise In Body Weight. Ivy Society of Plastic Surgeons 2003.

**National:**

Ngyuen, J, Lawrence, J, **Au, K**. The Krukenberg Procedure in the Pediatric Patient: A Case Series. American Society for Surgery of the Hand, Los Angeles, California 9/2016.

Ellis, C, **Au, K**, Pediatric Hand Burns: Experience with Plantar Split Thickness Grafts. American Society of Plastic Surgeons, Denver, CO, 9/2011.

**Au, K**, Saggars, G, Allison, G, Ehrlich, HP, The Smad Signaling Pathway Action on Open Wound Repair. Plastic Surgery Research Council, Stanford, California 6/2007.

**Au, K**, The Asian Beauty: Perspectives of a Chinese-American Female Plastic Surgery Resident, Aesthetic Skin Care Society, New York, NY, 4/2007.

**Au, K**, Cutroneo, K, White, S., and Ehrlich, HP, Levels of Type I Collagen Are Reduced in a Rat Model By Blocking Transcription with a TGF-B Element Oligonucleotide Decoy. Plastic Surgery Research Council, Dana Point, CA 5/2006.

**Au, K, Saggars, G, Mackay, Dr, Ehrlich, HP, Mast Cells Increase Collagen Deposition and Enhance Collagen Organization in Vivo via Gap Junction Communications.** Plastic Surgery Research Council, Toronto 5/2005.

**Au, K, Mackay, DR, Ehrlich, HP, The Fatty Acid Oleamide Blocks Gap Junctional Intercellular Communications and Hinders Progression of Wound Repair.** Plastic Surgery Research Council, Ann Arbor, MI 06/2004.

**Abstract/Poster Presentations:**

Ngyuen, J, Lawrence, J, **Au, K.** The Krukenberg Procedure in the Pediatric Patient: A Case Series. American Association of Hand Surgery, Scottsdale, AZ, 1/2016

Neves, RI, **Au, K, Vangelisti, G, Augmentation Mastopexy with the Style 410 Anatomical Implants.** 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K, Vangelisti, G, The Use of Polyacrylamide Hydrogel in Reconstructive Surgery.** 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K, Vangelisti, G, A Ten-Year Experience Using the 410 Biodimensional System in Breast Augmentations.** 19th Biennial Congress of ISAPS, Melbourne, Australia, 2/2008.

Neves, RI, **Au, K, Vangelisti, G, A Ten-Year Experience Using the 410 Biodimensional System in Breast Augmentations.**  
Plastic Surgery 2007, Baltimore, MD 10/2007.

Neves, RI, George, R, **Au, K, Vangelisti, G, The Use of Polyacrylamide Hydrogel In Reconstructive Surgery.**  
American Society of Dermatologic Surgery, Chicago, IL 10/2007.

Au, S, **Au, K, Saggars, G, Ehrlich, HP, Rat Mast Cells Communicate with Fibroblasts Via Gap Junction Intercellular Communications.** American Society for Cell Biology, San Francisco, CA 12/2005.