**June 1, 2017**

**Personal Information**

James Hwang, MD

Citizenship: USA

Foreign Languages: Spanish, Korean

Home Address: 105 Winston Ridge Drive

Chapel Hill NC 27516

919-520-1188 (c)

**Rank/title**  Associate Professor of Surgery

Department: Surgery

Business Address:

Division of Acute Care Surgery

Department of Surgery

University of Alabama at Birmingham

KB 120

1720 2nd Avenue South

Birmingham, Alabama 35294-0016

Phone

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**Hospital and other (nonacademic appointments) none**

**Professional Consultantships: None**

**Education**

01/1997 – 05/ 2002 Doctor of Medicine St. Georges University

School of Medicine

09/1995 – 07/1998 MS, Medicine State University of New York at Buffalo

Roswell Park Cancer Institute

School of Graduate Medicine

09/1990 – 05/1994 BS Cornell University

School of Agriculture and Life Sciences

Military service: none

Licensure

2017 – Present Unrestricted Medical License, Alabama (active), License MD.36028

2010 – Present Unrestricted Medical License, North Carolina (active), License 2031708

2010 – Present Unrestricted Medical License, Florida (inactive), License ME107016

Certification/

2013 – Present American Board of Surgery, Certification 057690

2013 – Present American Board of Surgical Critical Care, Certification 003223

2010 – Present Unrestricted Medical License, North Carolina (active), License 2031708

2010 – Present Unrestricted Medical License, Florida (active), License ME107016

2010 – Present Advanced Trauma Life Support Instructor

2002 – Present Advanced Trauma Life Support Provider

2008 – Present Advanced Burn Life Support Provider

2009 – Present Advanced Burn Life Support Instructor

2014 – Present Advanced Burn Life National Faculty Member

**Postdoctoral Training**

07/2009 – 06/2010 Fellowship, Surgical Critical Care University of Florida – Jacksonville

07/2008 – 06/2009 Fellowship, Burn Surgery Department of Plastic Surgery

University of South Florida, Tampa, FL

07/2002 – 06/2008 Resident, General Surgery State University of New York at Buffalo

Buffalo, NY

**Academic Appointments**

07/2017 – Present Associate Professor of Surgery Department of Surgery, Trauma and Burn Surgery University of Alabama at Birmingham, Birmingham, Alabama

05/2011 – 6/2017 Assistant Professor of Surgery Department of Surgery, Burn Surgery

University of North Carolina, Chapel Hill, NC

09/2010 – 04/2011 Visiting Assistant Professor Department of Surgery, Burn Surgery

University of North Carolina, Chapel Hill, NC

**Honors and Awards**

2010 Finalist for the Rosilie Saffos Outstanding Resident Teacher Award

The University of Florida

2009 1st Place, Best Poster in Critical Care

American Burn Association Annual Meeting

San Antonio, TX

1990-1994 Cornell National Scholar

(Renamed the Meinig Family Cornell National Scholar)

“The Meinig Family Cornell National Scholars is a select group of students who

who are drawn from all parts of the country and demonstrate an outstanding

degree of leadership. Along with their leadership abilities, these students exhibit

academic excellence and a commitment to service the communities in which

they live.”

**Professional societies:**

American Burn Association (active)

**Memberships:**  none

**Councils and committees:**  none

**University activities:**  none

**Editorial board memberships:** none

**Major research interests:**

My research interests focus upon improvement in the care of burn patients thru innovative means of burn resurfacing utilizing new technologies and methods. I have been working in collaboration with multicenter trials / other regional burn centers to find innovative ways to care for large burns with better outcomes, and less morbidity.

**Teaching Record**

2010 – Present Instructor, Advanced Burn Life Support

2009 – 2010 Surgical Critical Care Education

University of Florida – Jacksonville

Jacksonville, FL

2009 Instructor, Fundamental Critical Care Support Course

University of Florida – Jacksonville

Jacksonville, FL

2008 – 2009 Clinical Instructor, US Military Special Forces Medics

University of South Florida, Tampa, FL

Responsible for Clinical Instruction in burn care for US Special

Forces medics at Tampa General Hospital

Grand Rounds/Lectures – UNC

July 2015 Advances in Burn Care

Surgery Grand Rounds

University of North Carolina, Chapel Hill, NC

February 2014 To prep or not to prep

AORN Seminar

Friday Center

Chapel Hill, NC

Visiting Professor/Other Presentations

November 2012 Moderator, Session 7

Southern Medical Association

Southern Regional Burn Conference

May 2010 Advances in Burn Care

Surgery Grand Rounds

University of Florida – Jacksonville

Jacksonville, FL

March 2009 Report from the 41st Annual American Burn Association Meeting

Plastic Surgery Grand Rounds

University of South Florida

Tampa, FL

October 2007 Complications of Laparoscopic Cholecystectomy: Common Bile

Duct Injury and Management

General Surgery Grand Rounds

State University of New York at Buffalo

Buffalo, New York

Resident Education

September 2010 Burn Surgery Jeopardy

Surgical Resident Curriculum Conference

University of North Carolina

Chapel Hill, NC

Clinical Teaching

11/12/2012 Technical Skills Lab (Lines)

Department of Surgery

10/29/2012 Technical Skills Lab (Suturing/Knot-Tying)

Department of Surgery

Committees – UNC

09/2014 Program Evaluation Committee

General Surgery

Department of Surgery

**Grant support:** none

**Bibliography**

Refereed articles

1. Mauck MC, Smith J, Liu AY, **Jones SW**, Shupp JW, Villard MA, Williams F, Hwang J, Karlnoski R, Smith DJ, Cairns BA, Kessler RC, McLean SA. Chronic pain and itch are common, morbid sequelae among individuals who receive tissue autograft after major thermal burn injury. *Clin J Pain*. 2017 Jan 31. Doi: 10.1097/AJP.000000000000446. Epub ahead of print. PMID: 28145911.
2. Orrey DC, Halawa OI, Bortsov AB, Shuff JW, Jones SW, Haith LR, Hoskins JM, Jordan MK, BAngdiwala S, Roane BM, Platts-Mills TF, Holmes JH, **Hwang J**, Cairns BA, McLean SA. Results of a pilot multi-centered genotype-based randomized placebo-controlled trial of propranolol to reduce pain after major thermal burn injury. *Clin J Pain.* 2014 Jul 31. Epub ahead of print. PMID: 25084070.
3. Ortiz-Pujols SA, Boschini L, Klatt-Cromwell C, Short K, **Hwang J**, Cairns BA, Jones SW. Chest high-frequency oscillatory treatment for severe atelectasis in a patient with toxic epidermal necrolysis. *Journal of Burn Care and Research.* 2013 Jan 31. PMID: 23377350.
4. Orrey DC, Bortsiv AV, Hoskins JM, Shupp JW, Jones SW, Cicuto BJ, **Hwang J**, Jordan MH, Holmes JH, Haith LR, Roane BM, Diatchenko L, Cairns BA, McLean SA. Catechol-methyltransfearse genotype predicts pain severity in hospitalized burn patients. *J Burn Care Res.* 2012 Jul:33(4):518-523. PMID: 22210062.
5. Chakraborty AK, Funasaka Y, Solinski A, Ermak G, **Hwang J**, Pawelek JM, Ichihashi M. Production and release of proopiomelanocortin (POMC) derived peptides by human melancoytes and keratinocytes in culture: Regulation by ultraviolet B. *Biochimica et Biophysica Acta*. 1996 Aug 28;1313(2):`130-8. PMID: 8781560.
6. Slominski A, Ermak G, **Hwang J**, Mazurkiewicz J, Corliss D, Eastman A. The expression of proopiomelanocortin (POMC) and of corticotropin releasing hormone receptor (CRH-R) genes in mouse skin. *Biochimica et Biophysica Acta*. 1996 Mar 15;1289(2):247-51. PMID: 8600981.
7. Kallakury BV, Figge J, Leibovich B, **Hwang J**, Rifkin M, Kaufman R, Figge HL, Nazeer T, Ross JS. Increased bcl-2 protein levels in prostatic adenocarcinomas are not associated with rearrangements in 2.8 kb major breakpoint region or with p53 protein accumulation. *Modern Pathology*. 1996 Jan:9(1):41-7. PMID: 8821955.
8. Chakraborty A, Slominski A, Ermak G, **Hwang J**, Pawelek J. Ultraviolet B and melanocyte-stimulating hormone (MSH) stimulate mRNA production for alpha MSH receptors and proopiomelanocortin-derived peptides in mouse melanoma cells and transformed keratinocytes. *Journal of Investigative Dermatology.* 1995 Nov;105(5):665-9. PMID: 7594638.
9. Slominski A, Ermak G, **Hwang J**, Chakraborty A, Mazurkiewicz JE, Mihm M. Proopiomelanocortin, corticotropin releasing hormone and corticotropin releasing hormone receptor genes are expressed in human skin. *FEBS Letters.* 1995 Oct23:374(1):113-6. PMID: 7589495.
10. Ambros RA, Ross JS, Kallakury BV, Malfetano J, Kim Y, **Hwang J**, Breese K, Figge J. p53 gene status in endometrial carcinomas showing diffuse positivity for p53 protein by immunohistochemical analysis. *Modern Pathology.* 1995 May:8(4):441-5. PMID: 7567946.
11. Correspondence: Letters to the editor, *Journal of Pediatric Surgery* Vol 40, No 4 April 2005.

# In-Press

1. Mauck MC, Smith J, Liu AY, Jones SW, Shupp JW, Villard MA, Williams FN, **Hwang J**, Karlnoski R, Smith DJ, Cairns BA, Kessler RC, McLean SA. Chronic pain and itch are common, morbid sequelae among individuals who receive tissue autograft after major thermal burn injury. *ICMJE. Submitted.*

Abstract/ Poster Presentations

1. Villard MA, Mauck M, Liu AY, Jones SW, **Hwang J**, Williams FN, Shupp J, Karlnoski R, Smith D, Doshi N, Jallah D, Cairns BA, McLean SA. PTSD influences pain and itch symptoms overtime following MThBI. *American Pain Society Annual Meeting, Palm Springs, California, May 13-16, 2016.*
2. Mauck M, Liu AY, Jones SW, **Hwang J**, Williams FN, Shupp JW, Karlnoski R, Smith D, Cairns BA, Wesp BM, Gellatly M, Krishnan A, McLean SA. Predictors of pain severity after major thermal burn injury vary according to phase of burn wound healing. *American Pain Society Annual Meeting, Palm Springs, California, May 13-16, 2016.*
3. **Hwang J**, Cairns BA, Nielsen CA, Holmes IV JH, Hickerson WL, Mozingo D, Canico LC. Clinical results and a consideration of costs: Results from a prospective, multicenter, randomized clinical trial comparing a low-adherent, silver-based antimicrobial dressing to % mafenide acetate for the postoperative management of split-thickness skin grafts. *JAB Symposium, Maui, Hawaii, February 14-18, 2016.*
4. **Hwang J**, Cairns BA, Nielsen CA, Holmes IV JH, Hickerson W, Mozingo D, Cancio LC. Graft take assessment conducted in person and by digital photography: Results from a multicenter clinical trial. *JAB Symposium, Maui, Hawaii, February 14-18, 2016.*
5. Cairns BA, Holmes IV JH, HIckerson WL, Mozingo W, **Hwang J**, Canico LC. Prospective, multicenter, randomized clinical trial comparing slit thickness skin graft dressings in burn patients. *American Burn Association Annual Meeting. Chicago, Illinois, April 24, 2015.*
6. Cairns BA, Holmes IV JH, Hickerson WL, Mozingo DW, **Hwang J**, Cancio LC. Graft take assessment in person and by digital photography: Results from a multicenter clinical trial. *American Burn Association Annual Meeting, Chicago, Illinois, April 2015.*
7. Liu AY, Bermudez AL, Hu J, Jones S, **Hwang J**, Smith JE, Ballina LE, Patel A, Tran T, Karlnoski T, Smith DJ, Cairns B, McLean SA. African Americans are at increased risk of developing chronic pain and itch at the site of tissue autograft following major thermal burn injury. *American Pain Society Annual Meeting, Tampa, Florida, April 30-May 3, 2014.*
8. Kearns RD, Myers B, Cairns CA, Jones SW, Rich PB, Holmes 4th JH, Skarote MB, **Hwang J**, Schmits GL, Hultman CS, Charles AG, Cairns BA. Hospital bioterrorism planning and burn surge. *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and CIENCE. Volume 12, Number 1, February 14, 2014. DOI:10.1089/bsp.2013.0065.*
9. Ballina LE, Ulirsch JC, Nielsen CA, Adasme RA, Thom N, Pauley C, Jones SW, **Hwang J**, Cairns BA, McLean SA. Pain catastrophizing influences pain and itch symptoms within 24 hours of skin autograft. *American Pain Society Annual Meeting, New Orleans, Louisiana, May 2013.*
10. Orrey D, Bortsov A, Shupp J, Jones SW, **Hwang J**, Jordan M, Holmes J, Haith L, Cairns B, Liberzon I, McLean SA. Individuals with elevated PTSD symptoms experience increased itch symptoms morbidity after major burn injury. *Society of Biological Psychiatry Annual Meeting, Philadelphia, Pennsylvania, May 2012.*
11. Orrey D, Bortsov A, Liberson I, Shupp JW, Jones S, **Hwang J**, Jordan MH, Holmes J, Haith L, Cairns B, McLean SA. Failure of propranolol to decrease anxiety and PTSD symptoms in a genotype-based RCT of patients with major thermal burn injury. *Society of Biological Psychiatry Annual Meeting, Philadelphia, Pennsylvania, May 2012.*
12. Orrey DC, Zhao S, Bair E, Bortsov AV, Shupp JW, Jones S, **Hwang J**, Jordan M, Holmes J, Haith L, Cairns B, McLean S. Smokers experience increased pain and itch after major thermal burn injury. *American Burn Association Annual Meeting, Seattle, Washington, April 24-27, 2012.* (Abstract/Poster)
13. Cohen JB, Smith D, Rainey S, **Hwang J**, Schweiger HW. Organ donation in the Burn Unit. 1st Place in Critical Care Category. Poster Presentation. *American Burn Association Annual Meeting, San Antonio, Texas, March 24-27, 2009.*