

REUBEN A. BUENO, JR., M.D.

CLINICAL PRACTICE

Practice

Reconstructive plastic surgery, adult and pediatric elective and traumatic hand surgery, pediatric plastic surgery, cleft lip and palate surgery, targeted muscle reinnervation, facial reanimation, brachial plexus reconstruction, peripheral nerve surgery, burn surgery

American Board of Medical Specialties Certification

Hand Surgery: Specialty Certification in Surgery of the Hand, September 2009

Plastic Surgery: Diplomate, American Board of Plastic Surgery, November 2007

Licensure

2014 Medical license, Tennessee
2006-2014 Medical license, Illinois
2005-2006 Medical license, Kansas
2004-2006 Medical license, Missouri
2004-2005 Postgraduate Education Certificate, College of Physicians and Surgeons of Ontario
2003-2005 Medical license, New York
1997-2003 Medical license, Illinois

Staff Privileges

2014 Vanderbilt Medical Group
Vanderbilt University Medical Center
Nashville, TN

2006-2014 Medical Staff
Memorial Medical Center
Springfield, IL

2006-2014 Medical Staff
St John's Hospital
Springfield, IL

2005-2006 Medical Staff
Children's Mercy Hospital and Children's Mercy South Hospital

Kansas City, MO and Overland Park, KS

Clinical Leadership

- 2014 Chief of Pediatric Plastic Surgery
Monroe Carell, Jr. Children's Hospital at Vanderbilt
- 2006-2014 Director of Pediatric Plastic Surgery
Director of Congenital Head and Neck Anomalies Clinic
Institute for Plastic Surgery
Southern Illinois University School of Medicine
- 2007-2014 Burn Unit Associate Director
Memorial Medical Center Regional Burn Center

EDUCATION

- 2004-05 Paediatric Plastic Surgery Fellowship
Hospital for Sick Children
University of Toronto School of Medicine
Toronto, ON
- 2003-04 Orthopaedic Hand and Upper Extremity Fellowship
Hospital for Special Surgery
Weill Medical College of Cornell University
New York, NY
- 1997-2003 Plastic Surgery Residency
Southern Illinois University School of Medicine
Springfield, IL
- 1993-97 **Vanderbilt University School of Medicine**
Nashville, TN
M.D., May 1997
- 1986-90 **Yale University**
New Haven, CT
B.A., May 1990, *cum laude*
- 1982-86 **Montgomery Bell Academy**
Nashville, TN

ACADEMIC APPOINTMENTS

Faculty Appointments

- 2014* Associate Professor of Plastic Surgery
Vanderbilt University School of Medicine
Nashville, TN
- 2011-2014* Associate Professor of Surgery, Division of Plastic Surgery
Southern Illinois University School of Medicine
Department of Plastic Surgery
Springfield, IL
- 2006-2011* Assistant Professor of Surgery, Division of Plastic Surgery
Southern Illinois University School of Medicine
Department of Surgery
Springfield, IL
- 2003-2004* Senior Clinical Associate in Orthopaedic Surgery
Hospital for Special Surgery
Weill Medical College of Cornell University
New York, NY

Residency Program

- 2008-2014* Program Director
Plastic Surgery Residency Program
Southern Illinois University School of Medicine
Residency Review Committee Site Review: January 2013
- 2007-2008* Associate Program Director
Plastic Surgery Residency Program
Southern Illinois University School of Medicine
Residency Review Committee Site Review: September 2007

SIU School of Medicine Committee Service

- 2008-2014* SIU School of Medicine Graduate Medical Education Committee
Internal Review, Child Psychiatry Fellowship
Internal Review, Radiology Residency
- 2009-2014* SIU School of Medicine Grant Review Committee
- 2009-2010* SIU Department of Surgery Outpatient Surgery Center Implementation Committee

2007-2010 SIU Physicians and Surgeons Managed Care Advisory Committee

2006-2008 SIU School of Medicine Patent and Copyright Committee

SIU School of Medicine Fourth Year Medical Student Elective Course Director

Basic Plastic Surgery
Pediatric Plastic Surgery

AWARDS

2013 Resident Teaching Award
SIU School of Medicine Department of Surgery

2011 Resident Teaching Award
SIU School of Medicine Department of Surgery

2010 Resident Teaching Award
SIU School of Medicine Department of Surgery

2009 Resident Teacher of the Year
SIU School of Medicine Department of Surgery

2009 Resident Teaching Award
SIU School of Medicine Department of Surgery

2009 Alpha Omega Alpha Medical Honor Society
SIU School of Medicine

2009 Best Case, Upper Extremity Reconstruction
2009 Mayo Clinic Reconstructive Microsurgery Symposium

2008 Resident Teaching Award
SIU School of Medicine Department of Surgery

2008 Clinical Excellence Award
SIU School of Medicine Department of Surgery

2007 Medical Student Teaching Award
SIU School of Medicine Department of Surgery

2006-07 Junior Faculty Researcher of the Year
SIU School of Medicine Department of Surgery

PROFESSIONAL SOCIETIES

Active Membership

American Association of Plastic Surgeons
American Council of Academic Plastic Surgeons
American Society of Plastic Surgeons
American Society for Surgery of the Hand
American Association for Hand Surgery
American Society for Reconstructive Microsurgery
American Society for Peripheral Nerve
Plastic Surgery Research Council
American Cleft Palate-Craniofacial Association
American Burn Association
Association for Surgical Education
Midwestern Association of Plastic Surgeons

National and Regional Leadership Service

2013-14 President, Midwestern Association of Plastic Surgeons

2013-14 Chair, Young Microsurgeons Group Committee, American Society of
Reconstructive Microsurgery

2012-13 President-Elect, Midwestern Association of Plastic Surgeons

2011-12 Vice President, Midwestern Association of Plastic Surgeons

2010-11 Treasurer, Midwestern Association of Plastic Surgeons

2010-11 Young Leader, American Society for Surgery of the Hand

2009-10 Secretary, Midwestern Association of Plastic Surgeons

2007-09 Member-at-Large, Midwestern Association of Plastic Surgeons

National and Regional Committee Service

2014 American Society of Peripheral Nerve Annual Meeting Program Committee

2014-15 American Council of Academic Plastic Surgeons Microsurgical Education Task
Force

2014-15 American Council of Academic Plastic Surgeons Intern Boot Camp Task Force

2014-15 American Council of Academic Plastic Surgeons Resident Selection Committee

2013-14 American Association of Hand Surgery Grant Review Committee

2011-2014 American Society for Surgery of the Hand Resident Education Committee
2011-2013 American Society of Reconstructive Microsurgery Annual Meeting Program
Committee
2012-2013 American Society of Reconstructive Microsurgery Young Microsurgeons Group
Committee
2012-13 American Society for Surgery of the Hand SHUEHORN Tagging Group
2010 Plastic Surgery Research Council Annual Meeting Program Committee
2008-2014 Midwestern Association of Plastic Surgeons Annual Meeting Program Committee

PROFESSIONAL DEVELOPMENT

Managing the Milestones: In-depth Understanding and Strategies for Implementation
American Council of Academic Plastic Surgeons
Chicago, IL, December 2013

Essentials of Leadership
American Society of Plastic Surgeons
Chicago, IL, November 2013

Executive Lean Six Sigma White Belt Training
Memorial Medical Center
Springfield, IL, March 2012

Young Leaders in Hand Surgery Program
American Society for Surgery of the Hand
Chicago, IL, January 2011

Faculty Development Lecture Series
SIU Department of Surgery
Springfield, IL, 2009-2010

Introductory Course for New Program Directors
ACGME Annual Meeting
Dallas, TX, March 2009

Young Surgical Investigators Conference
American College of Surgeons
Bethesda, MD, March 2008

EDITOR

Editor, Hand and Peripheral Nerve Section
Plastic Surgery Education Network, American Society of Plastic Surgeons

PUBLICATIONS

Peer-Reviewed Publications

1. Cochran AM, Buchanan PJ, **Bueno RA Jr**, Neumeister MW. Subungal melanoma: a review of current treatment. *Plast Reconstr Surg*. 2014 Aug;134(2):259-73.
2. Hulsen J, Deiderich R, Neumeister MN, **Bueno RA Jr**. Integra Dermal Regeneration Template Application on Exposed Tendon. *Hand* (accepted for publication in 2014)
3. **Bueno RA Jr**, Battison B, Ciclamini D, et al. Replantation: current concepts and outcomes. *Clin Plast Surg*. 2014 Jul;41(3):385-395.
4. Cheesborough JE, Souza JM, Dumanian GA, **Bueno RA Jr**. Targeted muscle reinnervation in the initial management of traumatic upper extremity amputation injury. *Hand*. 2014 Jun;9(2):253-7.
5. Henderson MM, Neumeister MN, **Bueno RA Jr**. Hand Tumors: II. Bone and cartilage. *Plast Reconstr Surg*. 2014 Jun;133(6):814e-821e.
6. Henderson MM, Neumeister MN, **Bueno RA Jr**. Hand Tumors: I. Skin and soft tissue tumors of the hand. *Plast Reconstr Surg*. 2014 Feb;133(2):154e-64e.
7. Taylor NW, Webb K, Neumeister MW, **Bueno RA Jr**. Assessment of resident microsurgical skill using an online video system. *Plast Reconstr Surg*. 2014 Jan;133(1):78e-9e.
8. Derby BM, Dai H, Reichensperger J, Cox L, Harrison C, Cosenza N, Yang M, **Bueno RA**, Neumeister MW. Adipose-derived stem cell to epithelial stem cell transdifferentiation: A mechanism to potentially improve understanding of fat grafting's impact on skin rejuvenation. *Aesthet Surg J*. 2014 Jan 34(1):142-53.
9. Kung TA, **Bueno RA**, Alkhalefah GK, Langhals NB, Urbanchek MG, Cederna PS. Innovations in prosthetic interfaces for the upper extremity. *Plast Reconstr Surg*. 2013 Dec;132(6):1515-23.
10. Amalfi AN, Neumeister MW, **Bueno RA Jr**, Sommer NZ, Henkelman EA. Cocaine-induced full-thickness tissue necrosis: a case series. *Plast Reconstr Surg*. 2013 Nov;132(5):887e-92e.
11. Derby BM, Murray PM, Shin AY, **Bueno RA**, Mathoulin CL, Ade T, Neumeister MW. Vascularized bone grafts for the treatment of carpal bone pathology. *Hand*. 2013 Mar;8(1):27-40.
12. Derby BM, Reichensperger J, Chambers C, **Bueno RA**, Suchy H, Neumeister MW. Early growth response factor-1: expression in a rabbit flexor tendon scar model. *Plast Reconstr Surg*. 2012 Mar;129(3):435e-442e.

13. Roth V, Herron MS, **Bueno RA Jr**, Chambers CB, Neumeister MW. Stimulating angiogenesis by hyperbaric oxygen in an isolated tissue construct. *Undersea Hyperb Med*. 2011 Nov-Dec;38(6):509-14.
14. Hegge T, Henderson M, Amalfi A, **Bueno RA**, Neumeister MW. Scar contractures of the hand. *Clin Plast Surg*. 2011 Oct;38(4):591-606.
15. **Bueno RA**, French B, Cooney D, Neumeister MW. Targeted muscle reinnervation of a muscle-free flap for improved prosthetic control in a shoulder amputee: case report. *J Hand Surg*. 2011;36A(5):890-893.
16. Medling BD, **Bueno R**, Chambers C, Neumeister MW. The effect of vitamin E succinate on ischemia reperfusion injury. *Hand*. 2010 Jun: 5(1):60-64.
17. Kim MJ, Boehler ML, Ketchum JK, **Bueno R Jr**, Williams RG, Dunnington GL. Skills coaches as part of the educational team: a randomized controlled trial of teaching of a basic surgical skill in the laboratory setting. *Am J Surg*. 2010 Jan;199(1):94-8.
18. French B, **Bueno R Jr**, Russell R, Neumeister M. Use of an arteriovenous fistula in facial reanimation after cystic hygroma resection. *Plast Reconstr Surg*. 2010 Jan;125(1):12e-13e.
19. Neumeister MW, Chambers CB, Herron MS, Webb K, Wietfeldt J, Gillespie JN, **Bueno RA Jr**, Cooney CM. Botox therapy for ischemic digits. *Plast Reconstr Surg*. 2009 Jul;124(1):191-200.
20. Diederich RS, Mowlavi A, Meldrum G, Medling B, **Bueno RA**, Neumeister MW. Local cooling provides muscle flaps protection from ischemia-reperfusion injury in the event of venous occlusion during the early reperfusion period. *Hand*. (2009 Mar;4(1):19-23.
21. Medling BD, **Bueno RA**, Russell RC, and Neumeister MW. Replantation outcomes. *Clin Plast Surg*. 34(2):177-85, 2007.
22. Athwal GS, **Bueno RA**, Bansal M, Mintz DN, Athanasian EA. Intra-articular fibroma of tendon sheath involving the scapholunate and radiocarpal joints. *Skeletal Radiol* 35:599-602, 2006.
23. Carlson MG, Athwal GS, **Bueno RA**. Treatment of the wrist and hand in cerebral palsy. *J Hand Surg Am* 31:483-90, 2006.
24. Athwal GS, **Bueno RA**, Wolfe SW. Radiation exposure in hand surgery: mini versus standard C-arm. *J Hand Surg Am* 30:1310-6, 2005.
25. Cunningham ME, **Bueno R**, Potter HG, Weiland AJ. Closed partial rupture of a common digital nerve in the palm: a case report. *J Hand Surg Am* 30:100-4, 2005.

26. **Bueno RA** and Neumeister MW. Outcomes after mutilating hand injuries: review of the literature and recommendations for assessment. *Hand Clinics* 19(1):193-204, 2003.
27. Russell RC, **Bueno RA**, and Wu TY. Secondary procedures following mutilating hand injuries. *Hand Clinics* 19(1):149-163, 2003.
28. Wilhelmi BJ, Mowlavi A, Neumeister MW, **Bueno RA**, Ketchum J, Lee WPA. Surface landmarks to locate the thenar branch of the median nerve: an anatomical study. *Plast Reconstr Surg* 111(15):1612-15, 2003.
29. Wilhelmi BJ, Neumeister MW, Mowlavi A, **Bueno RA**, Lee WPA. Safe treatment of trigger finger with longitudinal and transverse landmarks: an anatomic study of the border fingers for percutaneous release. *Plast Reconstr Surg* 112(4):993-999, 2003.
30. **Bueno RA**, Neumeister MW, and Wilhelmi BJ. Aggressive digital papillary adenocarcinoma presenting as finger infection. *Ann Plast Surg* 49(3):326-7, 2002.
31. Nanney LB, Mueller SG, **Bueno RA**, Peiper SC, and Richmond A. Distributions of melanoma growth stimulatory activity or growth-regulated gene and the interleukin-8 receptor b in human wound repair. *Am J Path* 147(5):1248-60, 1995.

E-publications

Bueno RA and Wilhelmi BJ. Thumb reconstruction. *E-medicine online medical journal*.

Neumeister MW, Wilhelmi BJ, and **Bueno RA**. Flexor tendon lacerations. *E-medicine online medical journal*.

Book Chapters

Bueno RA and Zook EG. Nail matrix repair, reconstruction, and ablation. In Wiesel SW (Ed.) *Operative Techniques in Orthopaedic Surgery*. Philadelphia: Lippincott Williams & Wilkins, 2011. Pp. 2924-2931.

Bueno RA and Zook EG. Finger nail reconstructive techniques. In Chung KC (Ed.) *Hand and Upper Extremity Reconstruction*. London: Saunders Elsevier, 2009. Pp. 19-27.

Bueno RA, Zuker RM, and Alman BA. Generalized systemic conditions that affect the hand. In Bentz ML, Bauer BS, and Zuker RM (Eds.) *Principles and Practice of Pediatric Plastic Surgery*. St Louis: Quality Medical Publishing, 2008. Pp.1343-1362.

Bueno RA. Cleft lip and palate. In Lin SJ and Hijjawi JB (Eds.) *Pearls of Wisdom: Plastic and Reconstructive Surgery*. New York: McGraw-Hill, 2006. Pp. 353-58.

Bueno RA. Congenital ear deformities. In Lin SJ and Hijjawi JB (Eds.) Pearls of Wisdom: Plastic and Reconstructive Surgery. New York: McGraw-Hill, 2006. Pp. 381-84.

Bueno RA. Obstetrical brachial plexus palsy. In Lin SJ and Hijjawi JB (Eds.) Pearls of Wisdom: Plastic and Reconstructive Surgery. New York: McGraw-Hill, 2006. Pp. 237-38.

JOURNAL REVIEWER

Plastic and Reconstructive Surgery
Journal of Hand Surgery
Hand
Annals of Plastic Surgery
Journal of Reconstructive Microsurgery

PRESENTATIONS

Invited Speaker/Panelists at National/Regional Meetings

2014

“Development of a Microsurgical Skills Assessment Tool for Verification of Proficiency in Microsurgery”
ACAPS Spring Retreat
Miami, FL, April 2014

“Challenging the Paradigm of Microsurgery Education: Going beyond see one, do one, teach one” Panelist
ASRM Annual Meeting
Kauai, HI, Jan 2014

2013

“Fingertip Trauma” Panelist
ASPS Annual Meeting
San Diego, CA, Oct 2013

“Acquired and Traumatic Hand Deformities”
ASPS Oral and Written Board Review Course
Chicago, IL, Aug 2013

“Hand Potpourri”
ASPS Oral and Written Board Review Course
Chicago, IL, Aug 2013

“Ethical Coding for the Boards”
ASPS Oral and Written Board Review Course
Chicago, IL, Aug 2013

“Pearls for the Oral Board Exam”
ASPS Oral and Written Board Review Course
Chicago, IL, Aug 2013

“Update on Hand Trauma”
American College of Surgeons Annual Meeting, IL Chapter
Springfield, IL, Jun 2013

“Update on Management of Burn Injury”
American College of Surgeons Annual Meeting, IL Chapter
Springfield, IL, Jun 2013

“Teaching Microsurgery” Instructional Course
American Society of Reconstructive Microsurgery Annual Meeting
Naples, FL, Jan 2013

2012

“Starting Surgical Practice” Panelist
ASPS Senior Residents Conference
Chicago, IL, Dec 2012

“Compartment Syndrome”
ASSH Comprehensive Review Course
Chicago, IL, Jul 2012

“Hand Burn Injury”
ASSH Comprehensive Review Course
Chicago, IL, Jul 2012

“Management of First CMC Joint Arthritis”
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2012

2011

“Targeted Muscle Reinnervation of a Free Flap”
Targeted Muscle Reinnervation Conference: Current Approaches and Future Directions
Chicago, IL Oct 2011

2007

“Advances in the management of brachial plexus injuries”
American College of Surgeons Annual Meeting, Illinois Chapter
Springfield, IL, May 2007

2006

“Fingertip Injury” Instructional Course
ASPS Annual Meeting
San Francisco, CA Oct 2006

Podium Presentations

2009

“Targeted muscle reinnervation of a free flap”
Mayo Clinic Reconstructive Microsurgery Symposium
Rochester, MN, Jun 2009

“Targeted muscle reinnervation of a free flap”
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, Apr 2009

2007

“Anatomic landmarks to locate the nerve branch to the masseter muscle in facial reanimation surgery”
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2007

2004

“Surgical management of extensor tendon injuries”
Hand Surgery Symposium
Philadelphia, PA, Mar 2004

“Tissue-engineered bone in a capsular flap”
American Society of Reconstructive Microsurgery Annual Meeting
Palm Springs, CA, Jan 2004

“Compression of the median nerve in the proximal forearm”
American Association for Hand Surgery Annual Meeting
Palm Springs, CA, Jan 2004

Moderator

2014

YMG Forum “Starting a Microsurgical Practice”
ASRM Annual Meeting
Kauai, HI, Jan 2014

Scientific Session Research Presentations
ASRM Annual Meeting
Kauai, HI, Jan 2014

2013

Hand Research Moderator
ASPS Senior Residents Conference
San Diego, CA, Oct 2013

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, Apr 2013

2012

“Mutilating Hand Trauma” Moderator
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2012

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2012

2011

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2011

2010

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2010

2009

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, Apr 2009

2008

Scientific Session Resident Research Presentations
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2008

Local Health Professions CME

“Pediatric Plastic Surgery”
Central Illinois Physicians Assistant Meeting
Springfield, IL, Mar 2012

“ER Hand Trauma”
ER Nurse Practitioners
Springfield, IL, Mar 2010

“Reconstructive Plastic Surgery”
MMC OR Nurses Inservice Lectures
Springfield, IL, Jul 2009

“Mutilating Upper Extremity Injuries”
Agricultural Health CME
Springfield, IL, Aug 2009

“Common Hand Problems”
Plastic Surgery CME
Springfield, IL, May 2009

“Born with a Deformity”
Plastic Surgery CME
Springfield, IL, May 2009

“Management of brachial plexus injuries.”
St. John’s Physical Therapists
Springfield, IL, Aug 2008

“Management of the cleft lip and palate patient.”
NICU nurses CME lectures
Springfield, IL, Feb 2008

“Management of the cleft lip and palate patient.”
pediatric nurses CME lectures
Springfield, IL, Jan 2008

“Neonatal conditions that require the plastic surgeon”

Neonatal Care Conference

Springfield, IL, Dec 2007

“Management of the cleft lip and palate patient”

Central Illinois Speech Pathologist Meeting

Springfield, IL, May 2007

GRANTS

- \$30,685 Antiviral Prophylaxis for Burn Patients
Memorial Medical Center Foundation Research Grant, 2014
Role: Co-Investigator
- \$2500 Simple Nailbed Lacerations - Are Functional and Cosmetic Outcomes of Surgical
Repair Equivalent to Observation Alone?
SIU School of Medicine Department of Surgery, 2012
Role: Co-Investigator
- \$48,300 A 28-Day Randomized, Double-Blind, Placebo-Controlled Clinical Trial and 5-
Year Prospective Outcomes Study: A Two-Part Study of Botox Therapy for
Ischemic Digits
Memorial Medical Center Foundation Research Grant, 2011
Role: Co-Investigator
- \$20,000 A 28-Day Randomized, Double-Blind, Placebo-Controlled Clinical Trial and 5-
Year Prospective Outcomes Study: A Two-Part Study of Botox Therapy for
Ischemic Digits
American Foundation for Surgery of the Hand, 2011
Role: Co-Investigator
- \$50,000 A Validated Assessment Tool for Microsurgical Skills
Plastic Surgery Foundation National Endowment for Plastic Surgery Grant, 2011
Role: Principal Investigator
- \$63,680 Evidence-Based Recommendations for Best Practices in the Treatment of Hand
Fractures
Memorial Medical Center Foundation Research Grant, 2010
Role: Co-Investigator
- \$10,630 Integra on Exposed Bone
Memorial Medical Center Foundation Research Grant, 2010
Role: Principal Investigator

\$48,300	Therapeutic Use of Botulinum Toxin Type A to Treat Ischemia and Pain Related to Raynaud's Phenomenon Memorial Medical Center Foundation Research Grant, 2010 Role: Co-Investigator
\$37,000	The VECTRA Volumetric 3D Surface Imaging System: Improving Patient Outcomes by Bridging the Communication Gap between Patients and Surgeons Memorial Medical Center Foundation Research Grant, 2009 Role: Co-Investigator
\$3,209	Using the Nintendo Wii to Improve Recovery and Compliance in Hand Therapy Memorial Medical Center Foundation Research Grant, 2009 Role: Co-Investigator, Resident Mentor
\$22,069	Microsurgical Education: Using an Animal Microsurgery Teaching Protocol to Improve Resident Microsurgical Competency Memorial Medical Center Foundation Research Grant, 2009 Role: Co-Investigator
\$10,833	Integra on denuded tendon Memorial Medical Center Foundation Research Grant, 2008 Role: Resident Mentor
\$2,500	Nerve regeneration in a conduit seeded with adipose derived stem cells Department of Surgery Basic Research Grant, 2008 Role: Resident Mentor
\$2,500	Cadaveric study to locate the nerve branch to masseter for facial reanimation surgery Department of Surgery Basic Research Grant, 2007 Role: Resident Mentor
\$5,000	Tissue-engineered bone in a prefabricated capsular flap Plastic Surgery Education Foundation Basic Research Grant, 2003 Role: Principal Investigator
\$2,500	Osteoinduction in a prefabricated capsular flap Department of Surgery Basic Research Grant, 2002 Role: Principal Investigator
\$2,500	The role of caspase 3 in skin cancer Department of Surgery Basic Research Grant, 2002 Role: Principal Investigator

LECTURES

Annual Lectures

Department of Surgery Surgical Residents

- Residents as Teachers—Giving Effective Feedback
- Resident surgical skills—Tissue handling, dissection, and wound closure
- Resident readiness—Tissue handling and wound closure

Third Year Medical Student Clerkship Core Conference

- Wound Healing and Burns
- Basic Suturing Techniques

Trauma and Critical Nurses

- Burns and soft tissue trauma

Grand Rounds/Core Conferences

Plastic Surgery-Orthopedic Surgery Hand Conference

- “Congenital Hand Anomalies”
- “Combined orthopaedic and plastic surgery procedures”
- “Pediatric hand injuries”
- “Pediatric thumb reconstruction”
- “Brachial plexus reconstruction”
- “Difficult hand cases”
- “Management of brachial plexus injury”

Department of Surgery Grand Rounds

- “Hand and upper extremity trauma”
- “Facial reanimation”
- “Abdominal wall reconstruction”

General Surgery Residents Core Curriculum Conference

- “Wound healing and burns”
- “Skin neoplasms”

Orthopedic Surgery Residents Core Conference

- “Brachial plexus injury and treatment”

Department of Pediatrics Grand Rounds

- “Congenital anomalies of the head and neck”
- “Pediatric hand injuries”
- “Pediatric plastic surgery”

Otolaryngology Residents Core Conference

- “Management of cleft lip and palate patient”

Department of Family Medicine Conference
“Reconstruction after skin cancer surgery”
“Pediatric plastic surgery”

MENTORED RESIDENT RESEARCH

Botox for Raynaud’s Clinical Trial
American Association for Hand Surgery Annual Meeting
Kauai, HI, Jan 2014
Presented by: Kelli Webb, MD

Acute Targeted Muscle Reinnervation
American Society for Peripheral Nerve Annual Meeting
Kauai, HI, Jan 2014
Presented by: Jennifer Cheesborough, MD

Botox for Raynaud’s Trial
American Society of Plastic Surgeons Annual Meeting
San Diego, CA, Oct 2013
Presented by: Kelli Webb, MD

Targeted Muscle Reinnervation of a Free Flap
American Society for Peripheral Nerve Annual Meeting
Cancun, Mexico, Jan 2011
Presented by: Margo Herron, MD

Targeted Muscle Reinnervation of a Free Flap
American Society of Plastic Surgeons Senior Residents Conference
Anaheim, CA, Jan 2010
Presented by: Brooke French, MD

Validated Tool for Assessment of Microsurgical Skills
Plastic Surgery Research Council Annual Meeting
Louisville, KY, May 2011
Presented by: Kelli Webb, MD

Validated Tool for Microsurgical Skills
American Society of Plastic Surgeons Senior Residents Conference
Nashville, TN, Jan 2011
Presented by: Margo Herron, MD

Microsurgical Education: Using an Animal Microsurgery Teaching Protocol to Improve Resident and Medical Student Microsurgical Competency
SIU School of Medicine 1st Annual Symposium on Teaching and Learning, Feb 2010
Presented by: Carisa Cooney

Integra Application on Denuded Tendon in an Animal Model
American Society of Plastic Surgeons Senior Residents Conference
Nashville, TN, Jan 2011
Presented by: Ryan Diederich, MD

Integra Application on Denuded Tendon in an Animal Model
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2010
Presented by: Ryan Diederich, MD

Integra Application on Denuded Tendon in an Animal Model
SIU Department of Surgery Resident Research Day, Apr 2010
Presented by: Ryan Diederich, MD

Botulinum Toxin Type A for Chronic Pain
American Society for Peripheral Nerve Annual Meeting
Cancun, Mexico, Jan 2011
Presented by: Kelli Webb, MD

Botulinum Toxin Type A for Raynaud's Phenomenon
American Association for Hand Surgery Annual Meeting
Cancun, Mexico, Jan 2011
Presented by: Kelli Webb, MD

Botox Therapy for Chronic Pain
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, May 2010
Presented by: Kelli Webb, MD

Botox Therapy for Ischemic Digits
Midwestern Association of Plastic Surgeons Annual Meeting
Chicago, IL, Apr 2009
Presented by: Kelli Webb, MD

Is Nerve Growth Within a Conduit Enhanced by the Presence of Adipocyte-derived Stem Cells?
Plastic Surgery Research Council Annual Meeting
San Francisco, CA, May 2010
Presented by: Joel Wietfeldt, MD

Is Nerve Growth Within a Conduit Enhanced by the Presence of Adipocyte Derived Stem Cells?
SIU Department of Surgery Resident Research Day, Apr 2010
Presented by: Joel Wietfeldt, MD

Is Nerve Growth Within a Conduit Enhanced by the Presence of Adipocyte-derived Stem Cells?
American Society for Peripheral Nerve Annual Meeting

Boca Raton, FL, Jan 2010

Presented by: Ryan Diederich, MD

Evaluation of Peripheral Nerve Regeneration Using Adult Derived Rat Adipose Stem Cells
Within a PGA Conduit

Midwestern Association of Plastic Surgeons Annual Meeting

Chicago, IL, Apr 2009

Presented by: Joel Wietfeldt, MD

Acute Management of Full-Thickness Burns to the Neck

Midwestern Association of Plastic Surgeons Annual Meeting

Chicago, IL, May 2010

Presented by: Ashley Amalfi, MD

Anatomic Landmarks to Locate the Nerve Branch to the Masseter in Facial Reanimation Surgery

Aesthetic Facial Reconstruction in Adults and Children Symposium

Tucson, AZ, Feb 2008

Presented by: Margo Herron, MD

Anatomic Landmarks to Locate the Nerve Branch to the Masseter in Facial Reanimation Surgery

American Society for Peripheral Nerve Annual Meeting

Beverly Hills, CA, Jan 2008

Presented by: Nada Berry, MD

PREVIOUS EMPLOYMENT

1991-93

Montgomery Bell Academy, Nashville, TN
Seventh grade science teacher, football coach