
*Robert Granillo Bonillas, M.D.
Plastic Surgery, P.L.L.C.*

PROFESSIONAL ADDRESS

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BIOGRAPHY

Birthday: July 15
Place of Birth: Tucson, Arizona
Marital Status: Married [wife: Jacqueline Bonillas]
Children: Sons [Diego, Luke]

MEDICAL TRAINING

The University of Texas Medical Branch

Galveston, Texas
Plastic Surgery Resident, June 2006 – June 2009

St. Luke's – Roosevelt Hospital Center

New York, New York
General Surgery Resident, June 2000 – June 2004

OTHER MEDICAL TRAINING

Baylor College of Medicine, Division of Plastic Surgery

Houston, Texas
Interim Plastic Surgery Training, October 2008 – January 2009

The University of Texas M.D. Anderson Cancer Center Department of Plastic Surgery

Houston, Texas
Microsurgical Skills Training Course, July 2008
Microsurgery Training, March – April 2008

James M. Stuzin, M.D., F.A.C.S., Plastic and Reconstructive Surgery

Miami, Florida
Visiting Resident in Facial Cosmetic Surgery, April 2008

*West Houston Plastic Surgery Clinic, P.A., Alfonso Barrera, M.D.,
F.A.C.S. Plastic and Reconstructive Surgery, Hair Transplantation –
Micrografts*

Houston, Texas

Visiting Resident in Hair Transplantation Techniques, Multiple Visits 2007-2009

Frederick J. Menick, M.D. Plastic and Reconstructive Plastic Surgery

Tucson, Arizona

Visiting Resident in Nasal Reconstruction, November 2007

*New York University Medical Center, Institute of Reconstructive
Plastic Surgery, Laboratory for Microvascular Research and Vascular
Tissue Engineering*

New York, New York

Microsurgical Skills Training Course, July 2003

RESEARCH TRAINING

Stanford University

The Gurtner Laboratory

Stanford, California

Post Doctoral Research Fellow, September 2005 – June 2006

Preceptor: Geoffrey C. Gurtner, M.D.

Project: The use of *ex vivo* microvascular free-flaps as vascularized bio-scaffolds for tissue engineering using adult stem cells and a custom designed perfusion bioreactor (continuation of project from NYU Medical Center, see below)

NIH Grant Support, National Institute of Aging

Research Supplements to Promote Diversity in Health Related Research

Parent Grant: Impaired Progenitor Cell Trafficking in Complications of Aging (RO1: #AG-25016)

Principal Investigator: Geoffrey C. Gurtner, M.D.

Period: June 2005 – June 2006

*New York University Medical Center, Institute of Reconstructive
Plastic Surgery, Laboratory of Microvascular Research and Vascular
Tissue Engineering*

New York, New York

Post Doctoral Research Fellow, July 2003 – August 2005

Preceptor: Geoffrey C. Gurtner, M.D.

Project: The use of *ex vivo* microvascular free-flaps as vascularized bio-scaffolds for tissue engineering using adult stem cells and a custom designed perfusion bioreactor

EDUCATION

The University of Arizona College of Medicine

Tucson, Arizona

Doctor of Medicine, May 2000

The University of Arizona

Tucson, Arizona

Bachelor of Science (*Magna Cum Laude*), Nutritional Sciences, May 1996

CERTIFICATION AND LICENSURE

Arizona Medical License, October 2008 [#40994, active]

New York State License, July 2002 [#225656, inactive]

HOSPITAL APPOINTMENTS

Beth Israel Medical Center – Kings Highway Division

Brooklyn, New York

Surgical House Physician (*fulltime*) August 2004 – August 2005

Beth Israel Medical Center – Singer Division

New York, New York

Surgical House Physician (*per diem*) December 2003 – July 2004

HONORS AND AWARDS

The University of Arizona College of Medicine

Honors in:

- General Surgery Clerkship, 1999
- Surgery Subspecialties Clerkship, 1999
- Pharmacology, 1998
- Preparation for Clinical Medicine, 1998
- Biochemistry, 1997
- Medical and Molecular Genetics, 1997
- Histology and Cell Biology, 1996
- Human Gross Anatomy, 1996
- Human Neuroscience, 1996

Kathleen Thompson Scholarship Award recipient, 1998 – 2000

Hilton McKeown Scholarship Award recipient, 1997 – 2000

E. Blois du Bois Foundation Scholarship Award recipient, 1996 – 2000

Service Award, Bulletin Editor, California/Arizona Chicano-Latino Medical Student Association, 1999

American Heart Association, Arizona Affiliate, Minority Scholarship Award recipient, 1997 – 1999

The University of Arizona

Magna Cum Laude, 1996

Honorable Mention for Seven Semesters, 1996

Golden Key National Honor Society, 1993

The National Dean's List, 1993

Recognition, Development of the Arizona Pre-Med Information Online World-Wide Web Page, Office of Minority Affairs, 1996

Service Citation, Pre-medical Peer Advisor, Office of Minority Affairs, 1996

Outstanding Tutor, Math & Science Learning Center, 1993

EMPLOYMENT

Web Page Design, Hispanic Center of Excellence, U of Arizona, 2000
Physical Examination Instructor, U of Arizona College of Medicine, 1999 – 2000
Web Page Design, Department of Cell Biology and Anatomy, U of Arizona College of Medicine, 1997
Proctor, Testing Center, U of Arizona, 1996
Tutor, Minority Medical Education Program, U of Arizona, 1996
Math Tutor, New Start Summer Program, U of Arizona, 1993 and 1995
Math and Chemistry Tutor, Math & Science Learning Center, U of Arizona, 1993 – 1996

PROFESSIONAL VOLUNTEER ACTIVITIES

Commitment to Underserved People, Health Provider, U of Arizona College of Medicine, 1996 – 2000
Office of Minority Affairs, Pre-Med Peer Advisor, U of Arizona, 1993 – 2000
Pre-health Advisory Committee, U of Arizona, 1995 – 1996
Pre-health Professions Office, Pre-Med Peer Advisor, U of Arizona, 1995 – 1996
Minority Medical Education Program, Tutor, U of Arizona, 1995
St. Mary's Hospital, Transporter, Tucson, Arizona, 1993

ORGANIZATIONS AND AFFILIATIONS

Arizona Latin-American Medical Association, 2009-present
Maricopa County Medical Society, Member, 2009 - present
American College of Surgeons, Candidate Group, 2001 – 2009
The University of Arizona Hispanic Alumni, Member, 2000 – present
American Medical Association, Member, 1996 – present
American Medical Student Association, Member, 1996 – 2000
Arizona Medical Association, Member, 1996 – 2000
California/Arizona Chicano-Latino Medical Student Association, Bulletin Editor, 1997 – 2000
National Network of Latin American Medical Students, Member, 1996 – 2000
Surgery Club, U of Arizona College of Medicine, Member, 1996 – 2000
Minority Medical Student Group, U of Arizona College of Medicine, President, 1997 – 1998
Minority Medical Student Group, U of Arizona College of Medicine, Vice-President, 1996 – 1997
California/Arizona Chicano-Latino Medical Student Association, Medical Student Representative, 1996 – 1997
Minority Pre-Med Club, U of Arizona, Co-Chair, 1992 – 1996

INTERESTS/PERSONAL

Electronics, computers, photography/videography editing, fitness, golf, cycling
Spanish – spoken and read

PUBLICATIONS

1. Chang EI, **Bonillas RG**, El Ftesi S, Chang EI, Ceradini DJ, Vial IN, Chan DA, Michaels J, Gurtner GC. Tissue Engineering Using Autologous Microcirculatory Beds as Vascularized Bio-Scaffolds. *FASEB*, 2008. In submission.

2. Michaels J, Dobryansky M, Galiano RD, Ceradini DJ, **Bonillas R**, Jones D, Seiser N, Levine JP, Gurtner GC. Ex vivo transduction of microvascular free flaps for localized peptide delivery. *Ann Plast Surg*, 2004; 52(6):581-584.

Other:

1. **Bonillas RG**. Arizona Hispanic Center of Excellence (AHCOE). 2000. World-Wide Web: <http://www.hispanichealth.arizona.edu>.
2. **Bonillas RG**. Histology 602/802. 1997. World-Wide Web: <http://www.eddev.arizona.edu/courses/histology/darpage.htm>.
3. **Bonillas RG**. Patient History Cards (Pocket Size). 1997. University of Arizona College of Medicine.

PEER-REVIEWED ABSTRACTS

1. **Bonillas RG**, Ceradini DJ, Michaels J, Gurtner GC. Inside-Out Tissue Engineering: Generating Vascularized Neo-Organs Using Explanted Microcirculatory Beds. Singleton Surgical Society, May 31, 2007, University of Texas Medical Branch, Galveston, Texas.
2. **Bonillas RG**, Hamou C, Ceradini DJ, Aarabi S, Gurtner GC. Inside-Out Tissue Engineering: Using Explanted Microcirculatory Beds for Generating Vascularized Neo-Livers. American Society for Reconstructive Microsurgery, January 13-16, 2007, Rio Grande, Puerto Rico.
3. Dempsey MP, Michaels J, Ghali S, Jones DM, **Bonillas RG**, Shi Y, Gurtner GC. Genetically Modified Microvascular Free Flaps Expressing IL-12 Result in Localized Tumor Regression Without Systemic Toxicity. American Society of Plastic Surgeons, Plastic Surgery 2006, October 6-11, 2006, San Francisco, CA.
4. **Bonillas RG**, Ceradini DJ, Aarabi S, Chang EI, Blechman KM, Gurtner GC. Inside-Out Tissue Engineering for Complex Organ Replacement. 51st Annual Plastic Surgery Research Council Meeting, May 17-20, 2006, Dana Point, California.
5. **Bonillas RG**, Ceradini DJ, Cetrulo CL, Cangello DL, Michaels J, Seiser N, Bhatt KA, Levine JP, Gurtner GC. "Inside-Out" Tissue Engineering: Generating Vascularized Neo-Organs Using Explanted Microcirculatory Beds. 50th Annual Plastic Surgery Research Council Meeting, May 18-21, 2005, Toronto, Ontario Canada.
6. **Bonillas RG**, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, Michaels J, Jones DM, Levine JP, Gurtner GC. Microvascular fasciocutaneous free-flaps for vascularized tissue engineering. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
7. **Bonillas RG**, Ceradini DJ, Cetrulo CL, Seiser N, Michaels J, Cangello DL, Bhatt KA, Levine JP, Gurtner GC. "Inside-out" tissue engineering: using microcirculatory beds as vascularized scaffolds. Joint Meeting of the Tissue Engineering Society International and the European Tissue Engineering Society, October 10-13, 2004, Lausanne, Switzerland.
8. Findlay MW, Bhatt KA, **Bonillas RG**, Ceradini DJ, Cetrulo CL, Callaghan MJ, Seiser N, Morrison WA, Gurtner GC. The de-novo fabrication of tissue flaps and organs ex-vivo, using a bioreactor. American Society of Plastic Surgeons, Plastic Surgery 2004: The Premier Educational Experience, October 9-13, 2004, Philadelphia, PA.
9. **Bonillas RG**, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, Michaels J, Jones DM, Levine JP, Gurtner GC. Ex vivo manipulation of superficial inferior epigastric flaps for free-flap based vascularized tissue engineering. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
10. Cetrulo CL, **Bonillas RG**, Ceradini DJ, Seiser N, Bhatt KA, Michaels J, Jones DM, Levine JP, Gurtner GC. Engineering in vivo terminal stem cell differentiation by ex vivo stem cell seeding of genetically-modified microvascular free flaps. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.

11. Bhatt KA, Bastidas N, Greives MR, Galiano RD, Ashinoff RL, **Bonillas RG**, Jones DM, Levine JP, Gurtner GC. Mechanical strain induces Hypertrophic scars by reducing stromal cell apoptosis. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.
12. Jones DM, Bhatt KA, **Bonillas RG**, Galiano RD, Levine JP, Gurtner GC. Bone marrow-derived cells contribute to hypertrophic scar formation in a murine model. 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.

PRESENTATIONS

1. **Bonillas RG**. Chief Resident Clinical Case and Research Presentation. Houston Society of Plastic Surgeons, June 27, 2009, Houston, Texas.
2. **Bonillas RG**, Ceradini DJ, Michaels J, Gurtner GC. Inside-Out Tissue Engineering: Generating Vascularized Neo-Organs Using Explanted Microcirculatory Beds. Singleton Surgical Society, May 31, 2007, University of Texas Medical Branch, Galveston, Texas.
3. **Bonillas RG**, Ceradini DJ, Aarabi S, Chang EI, Blechman KM, Gurtner GC. Inside-Out Tissue Engineering for Complex Organ Replacement. 51st Annual Plastic Surgery Research Council Meeting, May 17-20, 2006, Dana Point, California.
4. **Bonillas RG**, Ceradini DJ, Cetrulo CL, Cangello DL, Michaels J, Seiser N, Bhatt KA, Levine JP, Gurtner GC. "Inside-Out" Tissue Engineering: Generating Vascularized Neo-Organs Using Explanted Microcirculatory Beds. 50th Annual Plastic Surgery Research Council Meeting, May 18-21, 2005, Toronto, Ontario Canada.
5. **Bonillas RG**, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, Michaels J, Jones DM, Levine JP, Gurtner GC. Microvascular fasciocutaneous free-flaps for vascularized tissue engineering. 21st Annual Northeastern Society of Plastic Surgeons Meeting, January 19-23, 2005, Naples, FL.
6. **Bonillas RG**, Ceradini DJ, Cetrulo CL, Seiser N, Michaels J, Cangello DL, Bhatt KA, Levine JP, Gurtner GC. "Inside-out" tissue engineering: using microcirculatory beds as vascularized scaffolds. Poster presentation, Joint Meeting of the Tissue Engineering Society International and the European Tissue Engineering Society, October 10-13, 2004, Lausanne, Switzerland.
7. **Bonillas RG**, Cetrulo CL, Ceradini DJ, Seiser N, Bhatt KA, Michaels J, Jones DM, Levine JP, Gurtner GC. Ex vivo manipulation of superficial inferior epigastric flaps for free-flap based vascularized tissue engineering. Oral presentation, 49th Annual Plastic Surgery Research Council Meeting, June 9-12, 2004, Ann Arbor, MI.