

Curriculum Vitae

James Chang MD, FACS

Date of Birth: July 7th, 1965

Citizenship: United States

Work Address: Division of Plastic & Reconstructive Surgery
770 Welch Road, Suite 400
Stanford University Medical Center
Stanford, California 94304
650-723-5824
650-823-9459 [Cell]
650-725-6605 [Fax]
650-723-8222 #13098 [Beeper]
changhand@aol.com

Certification: Diplomate, American Board of Plastic Surgery – 1999
Certificate of Added Qualification in Hand Surgery - 2002

Academic Appointments:

- 6/07 – present: Professor of Surgery (Plastic Surgery) and Orthopedic Surgery
Stanford University School of Medicine
- 5/06 – present: Chief, Division of Plastic & Reconstructive Surgery
Stanford University School of Medicine
- 6/02 – 6/07: Associate Professor of Surgery
Division of Plastic & Reconstructive Surgery
Stanford University School of Medicine
- 11/02 – 6/07: Associate Professor of Orthopedic Surgery [Courtesy]
Stanford University School of Medicine
- 8/00 – 8/08: Program Director, Plastic Surgery Residency
Stanford University Medical Center
- 7/98 – present: Director, Plastic & Hand Surgery Laboratory
V.A. Palo Alto Health Care System
- 7/98 – present: Attending Surgeon:
Stanford University Medical Center
Lucille Salter Packard Children’s Hospital
V.A. Palo Alto Health Care System

- 4/99 – 6/2002: Assistant Professor of Surgery
Division of Plastic & Reconstructive Surgery
Stanford University School of Medicine
- 7/98 – 7/06: Chief, Section of Plastic & Reconstructive Surgery
V.A. Palo Alto Health Care System

Education:

- 1979-83: The Hun School of Princeton
Princeton, New Jersey
College Preparatory School
Graduation with Cum Laude Honors
- 1983-87: Stanford University
Stanford, California
Bachelor of Arts and Sciences: Joint Degrees in Biology and Economics
Graduation with Honors and Distinction
- 1988-93: Yale University School of Medicine
New Haven, Connecticut
Doctor of Medicine
Graduation with Cum Laude & Alpha Omega Alpha Honors

Administrative Training:

- Tecker Leadership in Non-Profit Organizations Retreat, Chicago 2005
Stanford Physician/Faculty Leadership Development Program 2006-07
Packard 2012: Posner Leadership Course
Packard 2012: Managing Change Workshop

Licensure:

- California Medical License #G080137
Drug Enforcement Agency #BC4346638
California Radiography/Fluoroscopy Supervisor #RHD147293

Courses Organized:

- 2007 Hand Surgery at Squaw: A Symposium for Surgeons and Therapists
2008 Hand Surgery at Tahoe: A Symposium for Surgeons and Therapists
2009 Hand Surgery at Squaw: A Symposium for Surgeons and Therapists

Work Experience:

- 1984-87: Department of Neurobiology
Stanford University Medical Center
Stanford, California
Undergraduate Program in Molecular Biology
- 1984-87: Clinical Microbiology Laboratory
Stanford University Medical Center
Stanford, California
Laboratory Technologist
- 1987-88: Beijing University of Science and Technology
Beijing, People's Republic of China
Lecturer in English
- 1991-93: Departments of Radiobiology and Surgery
University of California, San Francisco Medical Center
San Francisco, California
Sarnoff Laboratory Research Fellow
Preceptors: Dr. Michael T. Longaker
Dr. Michael J. Banda
Dr. Michael R. Harrison
- 1993-94: Department of Surgery
Stanford University Medical Center
Stanford, California
Intern in Surgery
- 1994-96: Department of Surgery
Stanford University Medical Center
Stanford, California
Resident in General Surgery
- 1996-98: Division of Plastic & Reconstructive Surgery
Stanford University Medical Center
Stanford, California
Resident in Plastic & Reconstructive Surgery
- 1999-2000: Division of Hand Surgery
Department of Orthopedic Surgery
UCLA Medical Center
Los Angeles, California
Clinical Instructor in Orthopedic Surgery
Hand & Microsurgery Fellow
Drs. Neil Ford Jones & Roy A. Meals

Awards:

1. 2007 ASSH Meeting Joseph Boyes Best Resident Paper Award [Dr. Jonathan Riboh]
2. 2006 ASSH Sterling Bunnell Traveling Fellowship
3. 2006 CSPA Meeting Best Resident Paper Award [Dr. John Nigriny]
4. 2005 ASSH Meeting Joseph Boyes Best Resident Paper Award [Dr. Gil Kryger]
5. 2004 CSPA Meeting Best Resident Paper Award [Dr. Steven Bates]
6. 2003 Royal College of Surgeons Foundation Traveling Lectureship
7. 2003 ASSH Meeting Poster Exhibit Award: Honorable Mention Scientific Content
8. 2003 Stanford Plastic Surgery Leslie M. Hovey Teacher of the Year Award
9. 2002 CSPA Meeting Best Resident Paper Award [Dr. Matthew Klein]
10. 2001 PSRC Meeting Snyder Plastic Surgery Best Resident Paper Award [Dr. Matthew Klein]
11. 2000 CSPA Meeting Best Overall Paper Award [Dr. Amarjit Dosanjh]
12. 1999 PSEF Scholarship Essay Award – First Place
13. 1999 ASSH Meeting Joseph Boyes Best Resident Paper Award [Dr. Yvonne Karanas]
14. 1999 CSPA Meeting Best Resident Paper Award [Dr. Yvonne Karanas]
15. 1993 American College of Surgeons - Connecticut Chapter Award - for excellence in surgical studies
16. 1991 John Fulton Prize - for work in the History of Medicine

Societies:

1. Member – Association of Academic Chairmen in Plastic Surgery
2. Member – American Association of Plastic Surgeons
3. Member – Society of University Surgeons
4. Member – American Society for Surgery of the Hand
5. Member – American Association for Hand Surgery
6. Member - American Society of Plastic Surgeons
7. Member – Plastic Surgery Research Council
8. Member – California Society of Plastic Surgeons
9. Member – The California Academy of Medicine
10. Member – American Medical Association
11. Fellow - American College of Surgeons
12. Member – Carpe Diem Hand Club
13. Member – Caddis Surgical Society
14. Fellow - Yale-China Medical Exchange
15. Senior Fellow – Sarnoff Cardiovascular Research Society

Peer-Review Activities:

1. Editor – *Yearbook of Hand & Upper Limb Surgery* – 2004-2008
2. Associate Editor – *Microsurgery*
3. Associate Editor – *Journal of Hand Surgery*
4. Associate Editor – *Annals of Plastic Surgery*
5. Associate Editor - *Hand*
6. Consultant reviewer – *Plastic & Reconstructive Surgery*
7. Consultant reviewer – *Journal of Bone and Joint Surgery*
8. Ad hoc reviewer – *Tissue Engineering*
9. Ad hoc reviewer – *New England Journal of Medicine*
10. Ad hoc reviewer – *Journal of Reconstructive Microsurgery*
11. Ad hoc reviewer – *Techniques in Hand & Upper Extremity Surgery*
12. Ad hoc reviewer – *Clinical Orthopaedics and Related Research*
13. Ad hoc reviewer – *Journal of Orthopedic Research*
14. Grant reviewer – Research Grants Council of Hong Kong
15. Former editor - *Yale Journal of Biology and Medicine*
16. Former editor - *Stanford Plastic Surgery Anthology*

Visiting Lectureships and Professorships:

1. Division of Plastic Surgery, Dartmouth Medical School: April 15-16, 2002
2. Great Ormond Street Children's Hospital, London, United Kingdom: July 1-3, 2003
3. Pulvertaft Hand Centre, Derby, United Kingdom: July 3-5, 2003
4. Division of Plastic Surgery, University of Florida, Gainesville: May 16-18, 2004
5. Shanghai Plastic Surgery and Tissue Engineering Centre, Ninth People's Hospital, Shanghai, People's Republic of China: October 25-26, 2006
6. Department of Plastic Surgery, University of Freiburg, Freiburg, Germany: April 4-5, 2007
7. Department of Plastic Surgery, Kinki University Hospital and School of Medicine, Osaka, Japan: April 17, 2007
8. Bernard O'Brien Institute for Microsurgery, Melbourne, Australia: August 9, 2007.
9. Division of Plastic Surgery, University of California, Davis: February 25-26, 2008.

Organizational Activity:

Stanford University Medical Center

1. Stanford University Medical School Admissions Interview Panel [1998-2004]
2. Stanford University Medical Center GME Committee [2000-present]
3. Stanford University Medical Center Clinical Fellows Committee [2003]
4. Committee Member – Subcommittee on Animal Studies, VA Palo Alto HCS [1999-2003]
5. AASA Undergraduate Mentor – Stanford University [1999-present]
6. Co-Director – Stanford Plastic Surgery Mock Oral Examination [1999-present]
7. Co-Director – Stanford Resident Microsurgery Training Program [1999-present]
8. Board of Directors – Zedplast Plastic Surgery Alumni Association [1999-present]
9. Grant Reviewer – Stanford Undergraduate Research Opportunity Grants [2000, 2001]
10. Oversight Review Committee – Stanford University Medical Center [1999-2000]
11. VA Task Force on Surgery Work Hours [2003]
12. Stanford University Medical Center Surgery Executive Committee [2000-present]
13. Stanford University Medical School Advanced Anatomy Course Lecturer [2002-present]
14. Search Committee Member: Plastic Surgery Microsurgeon [2004]
15. Search Committee Member: Pediatric Surgery [2005]
16. Search Committee Chair: Plastic Surgery Microsurgeon [2006]
17. Stanford University Medical Center Surgical Council [2006-present]
18. Search Committee Chair: Hand Surgeon [2006]
19. Search Committee Member: Pediatric Surgery [2007]
20. Search Committee Member: Pediatric Plastic Surgery [2008]
21. Search Committee Member: Pediatric Surgery [2008]
22. Stanford University Medical Center Quality Council [2006-present]

Plastic Surgery Research Council

1. 2001 Plastic Surgery Research Council Scientific Program Committee
2. 2002 Plastic Surgery Research Council Scientific Program Committee
3. 2003 Plastic Surgery Research Council Scientific Program Committee
4. 2004 Plastic Surgery Research Council Scientific Program Committee
5. 2005 Plastic Surgery Research Council Scientific Program Committee
6. 2006 Plastic Surgery Research Council Scientific Program Committee
7. 2007 Plastic Surgery Research Council Scientific Program Committee

American Society of Plastic Surgeons/Plastic Surgery Educational Foundation

1. 1999 Plastic Surgery Educational Foundation Core Surgical Examination Committee
2. 2001 Plastic Surgery Educational Foundation Scholarship Contest Committee
3. 2002 ASPS Scientific Program Committee – Head & Neck Subcommittee
4. 2002 Plastic Surgery Educational Foundation Scholarship Contest Committee
5. 2003 Plastic Surgery Educational Foundation Scholarship Contest Committee
6. 2003 ASPS Meeting Instructional Course Director
7. 2004 ASPS Meeting Instructional Course Director

8. 2004 PSEF Reconstructive Surgery Symposium Faculty
9. 2005 ASPS Meeting Instructional Course Director
10. 2006 ASPS Meeting Instructional Course Director
11. 2007 ASPS Meeting Instructional Course Director

American Society for Surgery of the Hand

1. 2003 ASSH Plastic Surgery Task Force
2. 2003 ASSH Young Members Forum Steering Committee
3. 2003 ASSH Young Leaders Initiative Committee
4. 2004 ASSH Young Members Forum Symposium Co-Chair
5. 2004 ASSH Crucial Elements Lecture DVD Committee
6. 2005 ASSH Young Members Forum Steering Committee
7. 2005 ASSH Young Members Forum Symposium Co-Chair
8. 2005 ASSH Comprehensive Curriculum Faculty
9. 2005 ASSH Young Leader Retreat Participant
10. 2006 ASSH Young Members Steering Committee Vice-Chair
11. 2006 ASSH Basic Science Grant Committee
12. 2006 ASSH Comprehensive Curriculum Faculty
13. 2006 ASSH CME Task Force
14. 2007 ASSH Young Members Steering Committee Chair
15. 2007 ASSH Basic Science Grant Committee Vice-Chair
16. 2007 ASSH Residents & Fellows Committee
17. 2007 ASSH Annual Program Committee
18. 2007 ASSH Research Task Force
19. 2007 ASSH Mentoring Task Force
20. 2007 ASSH Young Leaders Task Force
21. 2007-2010 ASSH Council Member – Research Director
22. 2008 ASSH Liaison to the American Society of Plastic Surgeons
23. 2008 ASSH Education Committee
24. 2008 ASSH Research Management Committee
25. 2008 ASSH Committee Advisory Group
26. 2008 ASSH International Relations Committee
27. 2008 ASSH Young Leadership Task Force
28. 2008 ASSH Course Planning Task Force
29. 2008 ASSH Plastic Surgery Traveling Professor
30. 2009 ASSH Annual Meetings Committee
31. 2009 ASSH Research Management Committee
32. 2009 ASSH Bunnell Traveling Fellows Committee
33. 2009 ASSH Residents & Fellows Committee
34. 2009 ASSH Hand Trauma Task Force

California Society of Plastic Surgeons

1. 2001 California Society of Plastic Surgeons Meeting Awards Committee
2. 2002 California Society of Plastic Surgeons Meeting Awards Committee

3. 2004 California Society of Plastic Surgeons Meeting Program Directors Chairman
4. 2004 California Society of Plastic Surgeons Meeting Awards Committee
5. 2005 California Society of Plastic Surgeons Meeting Program Directors Chairman
6. 2006 California Society of Plastic Surgeons Meeting Program Directors Chairman
7. 2006 California Society of Plastic Surgeons Meeting Awards Committee
8. 2006 California Society of Plastic Surgeons Meeting Program Directors Chairman
9. 2007 California Society of Plastic Surgeons Meeting Program Directors Chairman
10. 2008 California Society of Plastic Surgeons Meeting Program Directors Chairman

American Board of Surgery

1. 2005 Examination Committee: Joint Committee on Surgery of the Hand CAQ Exam
2. 2006 Examination Committee: Joint Committee on Surgery of the Hand CAQ Exam
3. 2007 Examination Committee: Joint Committee on Surgery of the Hand CAQ Exam
4. 2008 Examination Committee: Joint Committee on Surgery of the Hand CAQ Exam
5. 2009 Examination Committee: Joint Committee on Surgery of the Hand CAQ Exam

American Association for Hand Surgery

1. 2006 AAHS Surgical Mentor
2. 2007 AAHS Junior Director, Board of Directors
3. 2008 AAHS Junior Director, Board of Directors
4. 2008 AAHS Hand Journal Task Force Chair
5. 2009 AAHS Hand Journal Committee

American Association of Plastic Surgeons

1. 2006 Research and Education Committee
2. 2007 Research and Education Committee
3. 2008 Research and Education Committee
4. 2009 Research and Education Committee

Association of Academic Chairmen in Plastic Surgery

1. 2006 Education Committee
2. 2007 Education Committee
3. 2008 Education Committee

American Board of Plastic Surgery

1. 2007 Guest Examiner
2. 2007 Written Examination Committee
3. 2007-2010 ABPS Advisory Council Member representing ASSH
4. 2008 Guest Examiner
5. 2008 Written Examination Committee
6. 2008 MOC Written Examination Committee Chair

Research Grant Funding (Active Funding in Bold):

1. **2006 VA Medical Merit Review Grant - \$440,000. – [4/07 – 3/11]**
“Tissue Engineered Flexor Tendon Grafts for Extremity Reconstruction”
2. **2006 VA RR&D Merit Review Grant – \$330,000. – [10/06-9/09]**
“Optimization of Bioengineered Tendons Using Bioreactors and Stem Cells”
3. 2006 American Association of Hand Surgery Research Award - \$5,000. -
“Bioreactors in Flexor Tendon Tissue Engineering”
4. 2005 American Society for Surgery of the Hand Research Award - \$20,000. –
“Scarless Flexor Tendon Wound Healing: Tissue Engineering of Intrasynovial Tendon Grafts”
5. 2005 Plastic Surgery Educational Foundation Research Award - \$5,000. –
“Gene Expression Analysis in Dupuytren’s Disease: the Role of MafB”
6. 2003 American Association of Hand Surgery Research Award - \$3,300. –
“Genetic Analysis of Dupuytren’s Contracture”
7. 2003 Plastic Surgery Educational Foundation Research Award - \$5,000. –
“In Vivo Modulation of Flexor Tendon Wound Healing with Decorin and M6P”
8. 2002 AO Research Fund Grant - \$35,000. –
“Virtual Reality Planning in Reconstructive Trauma Surgery” (Co-Investigator)
9. 2001 VA Merit Review Grant – \$360,000. – [4/02-4/05]
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
10. 2001 Stanford University OTL Research Award - \$25,000. –
“Tissue Engineered Cartilage Grafts in the Hand”
11. 12/1/96 – 11/30/02 NIH/NIGMS 7RO1 GM41343-09-12 Krummel (PI)
“Fetal Wound Repair: Cellular and Biochemical Mechanisms” (Co-Investigator)
12. 2000 American Society for Surgery of the Hand Research Award - \$8,000.
“CMC Arthroplasty with Tissue Engineered Cartilage Implants”
13. 2000 Plastic Surgery Educational Foundation Research Award: - \$5,000.
“Protective Effects of Superoxide Dismutase Against Ischemia Reperfusion Injury.”
14. 1999 VA VISN Young Investigator Award - \$25,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
15. 1999 American Society for Surgery of the Hand Research Award - \$8,000. (Co-investigator)
“Three-dimensional Hyaluronic Acid Grafts in Full Thickness Skin Incisional Wounds”

16. 1999 Plastic Surgery Education Foundation Research Award - \$5,000. –
“CMC Arthroplasty with Tissue Engineered Cartilage Grafts”
17. 1999 Plastic Surgery Education Foundation Research Award - \$5,000
“End-to-Side Neuroorrhaphy: The Role of Neurotrophins in Axonal Regeneration”
18. 1999 Aesthetic Surgery Education and Research Foundation Award - \$5,000.
“Optimizing Dermal Wound Healing with Laser Phototherapy”
19. 1999 American Association for Hand Surgery Research Award - \$3,300.
“CMC Arthroplasty with Tissue Engineered Cartilage Implants”
20. 1999 American Association for Hand Surgery Research Award - \$3,300.
“Modulation of Scarring in Peripheral Nerve Grafts: The Role of TGF-Beta”
21. 1998 VA Merit Review MREP Research Grant - \$165,000. [4/99-4/02] –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
22. 1998 VA New Investigator Award - \$10,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
23. 1998 Stanford Plastic Surgery Research Award - \$25,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
24. 1998 VA Palo Alto Health Care System New Investigator Award - \$25,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
25. 1997 American Society of Maxillofacial Surgeons Research Award - \$7,000. –
“Modulation of Hemangioma Growth in the Athymic Mouse: The Role of Angiogenic Growth Factor Therapy”
26. 1997 American Association of Hand Surgery Research Award - \$3,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
27. 1997 Plastic Surgery Educational Foundation Research Award: - \$5,000.
“Optimization of Peripheral Nerve Repair: The Role of TGF-β”
28. 1997 Stanford Division of Plastic Surgery Thuss Research Award - \$1,000. –
“The Role of VEGF in Hemangiomas”
29. 1994 Plastic Surgery Educational Foundation Research Award - \$5,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
30. 1994 American Society for Surgery of the Hand Research Award - \$5,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”

31. 1994 Stanford Division of Plastic Surgery Thuss Research Award - \$1,000. –
“Modulation of TGF-Beta in Flexor Tendon Wound Healing”
32. 1992 Stanley J. Sarnoff Society for Cardiovascular Research Fellowship Award - \$30,000.
33. 1989 Wilbur Downs International Health Research Fellowship - \$4,000.
34. 1989 Yale University Medical Student Research Fellowship - \$3,000.
35. 1985 Stanford Firestone Major Undergraduate Research Award - \$10,000.

Publications in Peer-reviewed Journals:

1. Chang J. After Tienanmen. Journal of the American Medical Association, 263: 2390, 1990.
2. Chang J, Longaker MT, Hunt TK, et al. Gene Regulation of Macrophage TGF-Beta in Wound Healing. Surgical Forum, 43: 672-674, 1992.
3. Chang J, Longaker MT, Lorenz HP, et al. Fetal and Adult Sheep Fibroblast TGF-Beta 1 Gene Expression In Vitro: Effects of Hypoxia and Gestational Age. Surgical Forum, 44: 720-722, 1993.
4. Lorenz HP, Chang J, Longaker MT, et al. Transforming Growth Factors Beta 1 and Beta 2 Synergistically Increase Gene Expression of Collagen Types I and III in Fetal But Not Adult Fibroblasts. Surgical Forum, 44: 723-725, 1993.
5. Lorenz HP, Chang J, Banda MJ. Transforming Growth Factors Beta 1 and Beta 2 Synergistically Increase Collagen Gene Expression in Fetal Fibroblasts But Not In Adult Fibroblasts. Journal of Cellular Biochemistry, 17E: 137, 1993.
6. Chang J. A Reconstructive Surgeon's Taste in Art: Dr. Peter Parker and the Lam Qua Oil Paintings. Annals of Plastic Surgery, 30: 468-474, 1993.
7. Chang J, Lorenz HP, Harrison MR, et al. Fetal Plastic Surgery: A Review and Preview. The Fetus, 3: 7536:1-4, 1993.
8. Chang J, Brueckner M, Touloukian RT. Intestinal Rotation and Fixation Abnormalities in Heterotaxia: Early Detection and Management. Journal of Pediatric Surgery, 28: 1281-1284, 1993.
9. Muller SR, Huff SY, Goode BG, Chang J, Feinstein SC. Molecular Analysis of the Nerve Growth Factor Inducible Ornithine Decarboxylase Gene in PC12 Cells. Journal of Neuroscience Research, 34: 304-314, 1993.
10. Chang J, Siebert JW, Schendel SA, et al. Scarless Wound Healing: Implications for the Aesthetic Surgeon. Aesthetic Plastic Surgery, 19: 237-241, 1995.
11. Chang J, Most D, Hui K, et al. Upregulation of Transforming Growth Factor Beta 1 and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing. Surgical Forum, 47: 602-604, 1996.
12. Chang J, Most D, Siebert J, et al. Gene Expression of Transforming Growth Factor Beta and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing - An Update. Plastic Surgical Forum, 65: 69-71, 1996.

13. Chang J, Most D, Bresnick S, et al. Gene Expression of Basic Fibroblast Growth Factor and Vascular Endothelial Growth Factor is Upregulated in Proliferating Hemangiomas: A Possible Mechanism of Angiogenesis. Surgical Forum, 48: 686-688, 1997.
14. Mehrara BJ, Most D, Chang J, et al. Differential Dural Cytokine Expression Correlates With Fetal Cranial Suture Patency and Calvarial Bone Formation. Surgical Forum, 48: 710-712, 1997.
15. Chang J, Most D, Bresnick S, et al. Upregulation of bFGF and VEGF Gene Expression in Proliferative Hemangiomas: A Possible Mechanism of Angiogenesis. Plastic Surgical Forum, 66: 31-33, 1997.
16. Most D, Chang J, Bresnick S, et al. Differential Dura Mater Cytokine Expression Correlates with Fetal Rat Calvarial Suture Patency and Bone Formation. Plastic Surgical Forum, 66: 37-39, 1997.
17. Chang J, Most D, Stelnicki E, et al. Gene Expression of Transforming Growth Factor Beta-1 in Rabbit Zone II Flexor Tendon Wound Healing: Evidence For Dual Mechanisms of Repair. Plastic & Reconstructive Surgery, 100: 937-944, 1997.
18. Chang J, Most D, Hovey L, et al. Tibialis Anterior Turnover Flap Coverage of Exposed Tibia in a Severely Burned Patient: A Case Report and Discussion. Burns, 23: 69-71, 1997.
19. Chang J, Most D, Mehrara B, et al. Molecular Studies in Flexor Tendon Wound Healing: The Role of Basic Fibroblast Growth Factor. Journal of Hand Surgery, 23A: 1052-1058, 1998.
20. Most D, Levine JP, Chang J, et al. Upregulation of Transforming Growth Factor-Beta 1 and Basic Fibroblast Growth Factor mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat Model. Plastic & Reconstructive Surgery, 101: 1431-1440, 1998.
21. Thunder R, Chang J, Broome R, et al. A Technique for Immobilization of Rabbit Forelimbs. Contemporary Topics in Laboratory Animal Science, 37: 71-72, 1998.
22. Chang J, Thunder R, Most D, et al. Neutralizing Antibody to Transforming Growth Factor Beta-1 Improves Postoperative Range of Motion in Flexor Tendon Wound Healing. Surgical Forum, 49: 509-510, 1998.
23. Chang J, Hentz VR, Chase RA. Plastic Surgeons in American Hand Surgery: The Past, Present, and Future. Plastic Surgical Forum, 68: 122-124, 1999.
24. Karanas Y, Hu M, Bogdan M, Longaker M, Lineaweaver W, Buncke H, Hentz VR, and Chang J. Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting. Plastic Surgical Forum, 68: 208-210, 1999.

25. Karanas Y, Hu M, Bogdan M, Longaker M, Lineaweaver W, Buncke H, Hentz VR, and Chang J. Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting. Surgical Forum, 50: 548-550, 1999.
26. Mehrara B, Most D, Chang J, et al. Basic Fibroblast Growth Factor and Transforming Growth Factor Beta-1 Expression in the Developing Dura Mater Correlates with Calvarial Bone Formation. Plastic & Reconstructive Surgery, 104: 435-444, 1999.
27. Chang J, Most D, Bresnick S, et al. Proliferative Hemangiomas: Analysis of Cytokine Gene Expression and Angiogenesis. Plastic & Reconstructive Surgery, 103: 1-9, 1999.
28. Schendel S, Lorenz HP, Dagenais D, Hopkins E, & Chang J. A Single Surgeon's Experience with the Delaire Palatoplasty. Plastic & Reconstructive Surgery, 104: 1993-1997, 1999.
29. Karanas Y, Bogdan M, Chang J. Community-acquired MRSA Infections of the Hand: Case Reports and Clinical Implications. Journal of Hand Surgery, 25A: 760-763, 2000.
30. Chang J, Thunder R, Most, D, et al. Studies in Flexor Tendon Wound Healing: Neutralizing Antibody to TGF-Beta 1 Increases Post-operative Range of Motion. Plastic & Reconstructive Surgery, 105: 148-155, 2000.
31. Lorenz HP, Hedrick MH, Chang J, et al. The Impact of Biomolecular Medicine and Tissue Engineering on Plastic Surgery in the 21st Century. Plastic & Reconstructive Surgery, 105: 2467-2481, 2000.
32. Chang J, Hentz VR, Chase RA. Plastic Surgeons in American Hand Surgery: The Past, Present, and Future. Plastic & Reconstructive Surgery, 106: 406-412, 2000.
33. Klein M, Chang J. Management of Hand and Upper Extremity Infections in 911 Consecutive Heart Transplant Patients from 1967-1998. Plastic & Reconstructive Surgery, 106: 598-601, 2000.
34. Turk AE, Chang J, Soroudi AE, et al. Free Flap Closure in Complex Congenital and Acquired Defects of the Palate. Annals of Plastic Surgery, 45: 274-279, 2000.
35. Karanas YL, Chang J, Yagol R, et al. Hypospadias Repair: Collaboration Between Urologist and Plastic Surgeon. Annals of Plastic Surgery, 45: 338-339, 2000.
36. Dosanjh A, Chang J, Bresnick S et al. In Vitro Characteristics of Neonatal Hemangioma Endothelial Cells: Similarities and Differences with Normal Neonatal and Fetal Endothelial Cells. Journal of Cutaneous Pathology, 27: 441-450, 2000.
37. Turk AE, Karanas Y, Cannon W, Chang J. Staged Closure of Complicated Bronchopleural Fistulas. Annals of Plastic Surgery, 45: 560-564, 2000.
38. Dosanjh A, Chang J, Bresnick S et al. Hemangioma Endothelial Cells In Vitro: Similarities With Fetal Endothelial Cells, Plastic Surgical Forum, 69: 199-201, 2000.

39. Ngo MT, Pham H, Longaker M, Chang J. Differential Expression of Transforming Growth Factor-Beta Receptors in a Rabbit Zone II Flexor Tendon Wound Healing Model. Plastic Surgical Forum, 69: 65-66, 2000.
40. Klein M, Chang J. Management of Hand and Upper Extremity Infections in 911 Consecutive Heart Transplant Patients from 1967-1998. Plastic Surgical Forum, 69: 184-186, 2000.
41. Ngo M, Pham H, Lorenz, HP, Benhaim P, Hedrick MH, Jones NF, Longaker MT, and Chang J. Differential Gene Expression of Flexor Tenocytes and Synovial Sheath Cells In Vitro: The Role of Transforming Growth Factor-Beta Isoforms. Surgical Forum, 51: 458-460, 2000.
42. Dosanjh A, Zhou L, Bresnick S, Longaker M, Karasek M, Chang J. Hemangioma Endothelial Cells In Vitro: Similarities with Fetal Endothelial Cells. Surgical Forum, 51: 547-548, 2000.
43. Pham H, Ngo M, Longaker M, and Chang J. Differential Expression of Transforming Growth Factor-Beta Receptors in a Rabbit Zone II Flexor Tendon Wound Healing. Surgical Forum, 51: 460-462, 2000.
44. Klein M, Chan P, Chang J. Protective Effects of Superoxide Dismutase Against Ischemia Reperfusion Injury. Surgical Forum, 52: 533-535, 2001.
45. Klein M, Yalamanchi N, Pham H, Longaker M, Chang J. Effects of Lactate on Flexor Tendon Wound Healing In Vitro. Surgical Forum, 52: 443-444, 2001.
46. Ngo MT, Pham H, Longaker M, Chang J. Differential Expression of Transforming Growth Factor-Beta Receptors in a Rabbit Zone II Flexor Tendon Wound Healing Model. Plastic & Reconstructive Surgery, 108: 1260-1267, 2001.
47. Chang J, Jones NF. Muscle Free Flaps with Full-thickness Skin Grafting: Improved Contour Over Traditional Musculocutaneous Free Flaps. Microsurgery, 21: 70-73, 2001.
48. Klein MB, Yalamanchi N, Pham H, Chang J. Flexor Tendon Wound Healing *In Vitro*: The Effect of Lactate on Tendon Cell Proliferation and Collagen Production. Journal of Hand Surgery, 26A: 847-854, 2001.
49. Karanas YL, Bogdan MA, Lineaweaver WC, Hentz VR, Longaker MT, Chang J. Gene Expression of Transforming Growth Factor-Beta Isoforms in Interposition Nerve Grafting. Journal of Hand Surgery, 26A: 1082-1087, 2001.
50. Peled ZM, Rhee SJ, Hsu M, Chang J, Krummel TM, Longaker MT. The Ontogeny of Scarless Healing II: EGF and PDGF Gene Expression in the Fetal Rat as a Function of Gestational Age. Annals of Plastic Surgery, 47: 417-424, 2001.
51. Sud V, Chang J, Lineaweaver WC. Acute nerve grafting in traumatic injuries: two case studies. Annals of Plastic Surgery, 47: 555-559, 2001.

52. Longaker MT, Peled ZM, Chang J, Krummel TK. Fetal Wound Healing: Progress Report and Future Directions. Surgery, 130: 785-787, 2001.
53. Hentz V, Chang J. Tissue Engineering for Reconstruction of the Hand. New England Journal of Medicine, 344: 1547-1548, 2001.
54. Chang J, Jones NF. Radiographic Analysis of Growth in Pediatric Toe-to-Hand Transfer. Plastic & Reconstructive Surgery, 109: 576-582, 2002.
55. Chang J, Danton TK, Ladd AL, Hentz VR. Reconstruction of the Hand in Apert Syndrome: A Simplified Approach. Plastic & Reconstructive Surgery, 109: 465-470, 2002.
56. Peled ZM, Phelps ED, Updike DL, Chang J, Krummel TM, Howard EW, Longaker MT. Matrix Metalloproteinases and the Ontogeny of Scarless Repair: The Other Side of the Wound Healing Balance. Plastic & Reconstructive Surgery, 110:801-811, 2002.
57. Peled ZM, Galiano R, Chin GS, Chang J, Krummel TM, Longaker MT. Overhealing, underhealing, and skin regeneration: a new perspective on wound healing. Asian Journal of Surgery, 25:102-10, 2002.
58. Klein MB, Yalamanchi N, Pham H, Longaker MT, Chang J. Flexor Tendon Healing In Vitro: Effects of TGF-Beta on Tendon Cell Collagen Production. Journal of Hand Surgery, 27A: 615-620, 2002.
59. Chang J, Jones NF. Simultaneous Pediatric Toe-to-Hand Transfers and Lower Extremity Amputations: The Use of Spare Parts. Journal of Hand Surgery [Br.], 27B: 219-23, 2002.
60. Chang J, Klein M. Ulnar Nerve Schwannoma. New England Journal of Medicine, 347: 12, 903, 2002.
61. Klein M, Chan P, Chang J. Protective Effects of Superoxide Dismutase Against Ischemia-Reperfusion Injury. Plastic Surgical Forum 25, 2002.
62. Yalamanchi N, Klein M, Dosanjh A, Pham H, Longaker MT, Chang J. Optimization of an *In Vitro* Alginate-Chondrocyte Construct. Plastic Surgical Forum 25, 2002.
63. Fong KD, Pham H, Trindade MC, Wang Z, Song HJ, Fang TD, Nacamuli RP, Smith RL, Longaker MT, Chang J. Fluid-Induced Shear Stress Effects on Tenocyte Biology. Plastic Surgical Forum 26: 124-125, 2003.
64. Zhang AY, Pham H, Ho F, Teng K, Longaker MT, Chang J. Inhibition of TGF-Beta-Induced Collagen Production in Flexor Tendon Wound Healing. Plastic Surgical Forum 26: 200-202, 2003.

65. Hu M, Sabelman E, Cao Y, Chang J, Hentz V. Three-dimensional Hyaluronic Acid Grafts Promote Healing Rate and Reduce Scar Formation in Full Thickness Skin Incisional Wounds. Journal of Biomedical Materials Research; 67B: 586-592, 2003.
66. Klein M, Chan P, Chang J. Protective Effects of Superoxide Dismutase Against Ischemia Reperfusion Injury: Development and Application of a Transgenic Model. Plastic & Reconstructive Surgery, 111: 251-255, 2003.
67. Sydorak RM, Hoffman W, Lee H, Yingling CD, Longaker M, Chang J, Smith B, Harrison MR, Albanese CT. Reversed Latissimus Dorsi Muscle Flap for Repair of Recurrent Congenital Diaphragmatic Hernia. Journal of Pediatric Surgery 38:296-300, 2003.
68. Klein M, Karanas YL, Rubin G, Chang J. Early Experience with CT Angiography in Microsurgical Reconstruction. Plastic & Reconstructive Surgery, 112: 498-503, 2003.
69. Pao V, Chang J. Scaphoid Non-union: Diagnosis and Treatment. Plastic & Reconstructive Surgery, 112: 1666-1676, 2003.
70. Hsu C, Chang J. The Posterior Interosseous Artery Flap Revisited. Operative Techniques in Plastic Surgery, 9: 173-180, 2003.
71. Bogdan M, Klein MB, Rubin GD, McAdams TR, Chang J. CT Angiography in Complex Upper Extremity Reconstruction, Journal of Hand Surgery [Br.], 29B: 465-469, 2004.
72. Zhang A, Pham H, Ho F, Teng K, Longaker MT, Chang J. Inhibition of TGF-Beta-induced Collagen Production in Rabbit Flexor Tendons. Journal of Hand Surgery, 29A: 230-235, 2004.
73. Karanas Y, Antony A, Rubin G, Chang J. Preoperative CT Angiography for Free Fibula Transfer. Microsurgery, 24: 125-127, 2004.
74. Hsu C, Chang J. Clinical Perspective: Growth Factors in Flexor Tendon Wound Healing: Clinical Implications. Journal of Hand Surgery, 29A: 551-563, 2004.
75. Sholl L, Chang E, Reitz B, Chang J. Sternal Osteomyelitis: Use of the Vacuum Assisted Closure Device as an Adjunct to Definitive Closure with Sternectomy and Muscle Flap Reconstruction. Journal of Cardiac Surgery, 19: 453-461, 2004.
76. Yalamanchi N, Klein MB, Pham H, Longaker MT, Chang J. Flexor Tendon Wound Healing *In Vitro*: Lactate Upregulation of TGF-Beta Expression and Functional Activity. Plastic & Reconstructive Surgery, 113: 625-632, 2004.
77. Bates SJ, Morrow E, Zhang AY, Pham H, Longaker MT, Chang J. Mannose-6-Phosphate, An Inhibitor of TGF-Beta, Improves Flexor Tendon Repair. Plastic Surgical Forum 27: 2004.

78. Chang J, Jones NF. Twelve Simple Maneuvers to Optimize Digital Replantation. Techniques in Hand and Upper Extremity Surgery, 8:161-166, 2004.
79. Chow LC, Napoli A, Klein MB, Chang J, Rubin G. Vascular Mapping of the Leg With Multi-Detector Row CT Angiography Prior to Free-Flap Transplantation, Radiology, 237: 352-360, 2005.
80. Fong KD, Trindade MC, Wang Z, Nacamuli RP, Pham H, Fang TD, Song HJ, Smith RL, Longaker MT, Chang J. Microarray Analysis of Mechanical Shear Effects on Flexor Tendon Cells. Plastic & Reconstructive Surgery, 116: 1393-1404, 2005.
81. Page R and Chang J. Soft Tissue Reconstruction in the Hand and Wrist: Alternatives to the Radial Forearm Fasciocutaneous Flap, Journal of Hand Surgery, 31: 847-856, 2006.
82. Chong AK and Chang J. Tissue Engineering for the Hand Surgeon: A Clinical Perspective. Journal of Hand Surgery, 31: 349-358, 2006.
83. Lee L, Zhang AY, Chong AK, Pham H, Longaker MT, Chang J. Expression of a Novel Gene, MafB in Dupuytren's Disease. Journal of Hand Surgery, 31: 211-218, 2006.
84. Costa MA, Wu C, Pham BV, Chong A, Pham HM, Chang J. Tissue Engineering of Flexor Tendons: Optimization of Tenocyte Proliferation Using Growth Factor Supplementation. Tissue Engineering, 12: 1937-1943, 2006.
85. Bates SJ, Morrow E, Zhang AY, Pham H, Longaker MT, Chang J. Mannose-6-Phosphate, An Inhibitor of TGF-Beta, Improves Flexor Tendon Repair. Journal of Bone and Joint Surgery (Am), 88: 2465-72, 2006.
86. Riboh J, Nigriny J, Chong AK, Page R, Chang J. Optimization of Microsurgery: Improved Coverage of the Latissimus Dorsi Vascular Pedicle with Vascularized Serratus Fascia. Annals of Plastic Surgery, 58: 109-111, 2007.
87. Shaw RB, Chong AK, Zhang A, Hentz VR, Chang J. Dupuytren's Disease: History, Diagnosis, and Treatment. Plastic & Reconstructive Surgery, 120: 44e-54e, 2007.
88. Satterwhite T, Chong AK, Luo J, Pham H, Costa M, Longaker MT, Wyss-Coray T, Chang J. In Vitro Analysis of TGF- β 1 Inhibition in Transgenic SBE-luciferase Mice. Annals of Plastic Surgery, 59: 762-6, 2007.
89. Chong AK, Satterwhite T, Luo J, Pham H, Costa M, Longaker MT, Wyss-Coray T, Chang J. Live Imaging of Smad2/3 Signaling in Mouse Skin Wound Healing. Wound Repair and Regeneration, 15: 762-766, 2007.
90. McAdams T, Knudsen K, Yalamanchi N, Chang J, Goodman S. Deltoid Flap Combined with Fascia Lata Autograft for Rotator Cuff Defects: A Histologic Study. Knee Surgery, Sports Traumatology, Arthroscopy, 15: 1144-9, 2007.

91. Spain DA, Bellino M, Kopelman A, Chang J, Park J, Gregg DL, Brundage SI. Requests for Transfer to an Academic level I Trauma Center: Implications of the Emergency Medical Treatment and Active Labor Act (EMTALA). Journal of Trauma, 62: 63-68, 2007.
92. Kryger G, Chong AK, Costa M, Pham H, Bates SJ, Chang J. A Comparison of Tenocytes and Mesenchymal Stem Cells for Use in Flexor Tendon Tissue Engineering. Journal of Hand Surgery, 32A, 597-605, 2007.
93. Chong AK, Riboh J, Smith RL, Lindsey DP, Pham HM, Yao J, Chang J. Flexor Tendon Tissue Engineering: Biomechanical Properties of Acellularized and Reseeded Tendon Constructs. Plastic & Reconstructive Surgery, in press.
94. Chang E, Chang J, Rubin G, Karanas Y. The Use of CT Angiography Prior to Complicated Free Flap Breast Reconstruction, Microsurgery, submitted.
95. Zhang A, Fong K, Pham H, Nacamuli R, Longaker MT, Chang J. Gene Expression Analysis of Dupuytren's Disease: The Role of TGF-Beta 2. Journal of Hand Surgery (European), in press.
96. Nigriny J, Chang J, Karanas YL. The Timing of Microsurgical Reconstruction in Lower Extremity Trauma. Microsurgery, 28: 632-634, 2008.
97. Hsu C, Hellinger J, Rubin G, Chang J. Utility of CT Angiography in Pediatric Extremity Trauma. Hand, 3:139-145, 2008.
98. Zhang AY, Bates SJ, Morrow E, Pham BV, Pham HM, Chang J. Tissue Engineering of Flexor Tendons: Optimization of Acellularization and Seeding. Journal of Rehabilitation Research & Development, accepted.
99. Riboh J, Chong A, Pham H, Longaker M, Jacobs C, Chang J. Optimization of Flexor Tendon Tissue Engineering With a Cyclic Strain Bioreactor. Journal of Hand Surgery, 33A: 1388-1396, 2008.
100. Chong AK, Chang J, Goh J. Mesenchymal Stem Cells and Tendon Healing. Frontiers in Bioscience, submitted 2007.
101. Saber S, Zhang AY, Ki SH, Lindsey D, Smith RL, Riboh J, Pham H, Chang J. Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength. Tissue Engineering, accepted 2008.
102. Yao J, Korotkova T, Riboh J, Chong A, Chang J, Smith RL. Bioactive Sutures for Tendon Repair: Assessment of a Method of Delivering Pluripotential Embryonic Cells, Journal of Hand Surgery, 33A:1558-1564, 2008.

103. Park MJ, Lichtman G, Christian JB, Weintraub J, Chang J, Hentz VR, Ladd AL, Yao J. Surgical Treatment of Thumb Carpometacarpal Joint Arthritis: A Single Institution Experience from 1995-2005. Hand, 3: 304-310, 2008.
104. Thorfinn J, Saber S, Angelidis IK, Ki SH, Zhang A, Chong AK, Lee GK, Chang J. Flexor Tendon Tissue Engineering: The Temporal Distribution of Donor Tenocytes vs. Recipient Cells. Tissue Engineering, submitted 2009.

Abstracts:

1. Feinstein SC, Muller SR, Huff SY, and Chang J. 1990 UCLA Symposia of Molecular and Cellular Neurobiology, Los Angeles, California: NGF Induction of Gene Expression in Rat PC12 Cells - A Molecular Analysis of the Ornithine Decarboxylase [ODC] Gene
2. Chang J, et al. 1992 Surgical Section of the American Academy of Pediatrics Meeting, San Francisco, California: Intestinal Rotation and Fixation Abnormalities in the Heterotaxia Syndrome
3. Longaker MT, Chang J, Lorenz HP, et al. 1993 Plastic Surgery Research Council, Houston, Texas: Fetal and Adult Sheep Fibroblast TGF Beta 1 Gene Expression In Vitro: Effects of Hypoxia and Gestational Age
4. Chang J, et al. 1996 Plastic Surgery Research Council, St. Louis, Missouri: Upregulation of Transforming Growth Factor-Beta in Wound Healing
5. Chang J, et al. 1996 American Society for Surgery of the Hand & Japanese Society for Surgery of the Hand Annual Meeting, Maui, Hawaii: Upregulation of Transforming Growth Factor-Beta and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing
6. Most D, Levine JP, Chang J, et al. 1997 American Cleft Palate Association, New Orleans, Louisiana: Upregulation of Transforming Growth Factor Beta 1 and Basic Fibroblast Growth Factor mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat Model
7. Chang J, et al. 1997 Plastic Surgery Research Council, Galveston, Texas: Gene Expression of Basic Fibroblast Growth Factor Is Upregulated in Active Hemangiomas: A Possible Mechanism of Angiogenesis
8. Most D, Chang J, Schendel S, et al. 1997 Plastic Surgery Research Council, Galveston, Texas: Upregulation of TGF Beta 1 and bFGF mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat
9. Chang J, et al. 1998 Plastic Surgery Research Council, Loma Linda, California: Neutralizing Antibody to TGF Beta 1 Improves Post-operative Range of Motion in Flexor Tendon Wound Healing
10. Karanas Y, Hu M, Bogdan M, et al. 1999 Plastic Surgery Research Council, Pittsburgh, Pennsylvania: Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting
11. Chang J, et al. 1999 12th Congress of the International Confederation for Plastic, Reconstructive, and Aesthetic Surgery Meeting, San Francisco, California: Identification and Modulation of TGF-Beta 1 in Scarless Flexor Tendon Wound Healing

12. Karanas Y, Hu M, Bogdan M, et al. 1999 Residents and Fellow's Conference of the American Society for Surgery of the Hand Meeting, Boston, Massachusetts: Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting
13. Chang J, et al. 2000 American Association of Plastic Surgeons, Laguna Niguel, California: Radiographic Analysis of Growth In Pediatric Toe-Hand Transfer
14. Ngo M, Pham H, Chang J. 2000 Plastic Surgery Research Council, Seattle Washington: Differential Expression of TGF-Beta Receptors in Flexor Tendon Wound Healing
15. Ngo M, Pham H, Lorenz P, et al. 2000 Plastic Surgery Research Council, Seattle Washington: Differential Gene Expression of Flexor Tenocytes and Synovial Sheath Cells In Vitro: The Role of Transforming Growth Factor-Beta Isoforms
16. Ngo M, Zhu M, Lorenz HP, et al. 2000 Plastic Surgery Research Council, Seattle Washington: Human Connective Tissue Stem Cells From Adipose Tissue and Bone Marrow Express Telomerase
17. Dosanjh A, Chang J, Zhou L, et al. 2000 Plastic Surgery Research Council, Seattle Washington: Hemangioma Endothelial Cells In Vitro: Similarities With Fetal Endothelial Cells
18. Patel M, Chang J, Lawrence J, et al. 2000 American Society for Surgery of the Hand Meeting, Seattle, Washington: Radiographic Comparison of Growth in Pediatric Toe-to-Hand Bone Grafts vs. Microvascular Toe-to-Hand Transfers
19. Klein M and Chang J. 2000 American Society for Surgery of the Hand Meeting, Seattle, Washington: Management of Hand and Upper Extremity Infections in 911 Consecutive Heart Transplant Patients
20. Karanas Y, Bogdan M, and Chang J. 2001 American Association of Hand Surgeons Meeting, San Diego, California: Community-acquired MRSA Infections of the Hand: Case Reports and Clinical Implications
21. Chang J, et al. 2001 American Association of Hand Surgeons Meeting, San Diego, California: Simultaneous Pediatric Toe-to-Hand Transfers and Lower Extremity Amputations: The Use of Spare Parts
22. Klein M, Bogdan M, Chan P, et al. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: Protective Effects of Superoxide Dismutase Against Ischemia-Reperfusion Injury
23. Klein M, Yalamanchi N, Pham H, et al. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: Flexor Tendon Wound Healing In Vitro: The Effect of Lactate on Tendon Cell Proliferation and Collagen Production

24. Klein M, Yalamanchi N, Pham H, et al. 2001 American Society for Surgery of the Hand Residents & Fellows Conference, Baltimore, Maryland: Flexor Tendon Wound Healing *In Vitro*: The Effect of Lactate
25. Lineaweaver W, Sud V, Chang J. 2001 World Society of Reconstructive Microsurgery, Taipei, Taiwan: Acute Grafting in Traumatic Peripheral Nerve Injuries
26. Klein M, Chan P, Chang J. 2002 American Association of Hand Surgery, Cancun, Mexico: Protective Effects of Superoxide Dismutase Against Ischemia-Reperfusion Injury
27. Danton T, Chang J, Ladd A, Hentz V. 2002 American Association of Hand Surgery, Cancun, Mexico: Reconstruction of the Hand in Apert Syndrome: A Simplified Approach
28. Jones NF and Chang J. 2002 American Society for Reconstructive Microsurgery Meeting, Cancun, Mexico: Comparison of Microsurgical and Conventional Reconstruction of Transverse and Longitudinal Congenital Hand Deficiencies
29. Klein MB, Chow L, Rubin G, Chang J. 2002 American Society for Reconstructive Microsurgery Meeting, Cancun, Mexico: Routine Use of CT Angiography in Microsurgical Planning
30. Yalamanchi N, Klein M, Dosanjh A, Pham H, Longaker MT, Chang J. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: Optimization of an *In Vitro* Alginate-Chondrocyte Construct
31. Pham H, Fong K, Trindade M, Fang T, Warren S, Smith L, Longaker M, Chang J. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: Mechanical Shear Differentially Regulates TGF-Beta Isoform and Extracellular Matrix Molecule Expression in Tendon Cells
32. Klein M, Yalamanchi N, Pham H, Longaker M, Chang J. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: Flexor Tendon Wound Healing *In Vitro*: Effects of TGF-Beta on Tendon Cell Proliferation and Collagen Production
33. Klein MB, Yalamanchi N, Pham H, Chang J. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Flexor Tendon Wound Healing *In Vitro*: Effects of TGF-Beta on Collagen Production
34. Dosanjh A, Nagshineh S, Bresnick S, Pham H, Reinisch J, Karasek M, Longaker M, Chang J. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Expression of Tie1 & Tie2 in Hemangiomas: Evidence For Vascular Differentiation
35. Yalamanchi N, Klein MB, Dosanjh A, Pham H, Longaker MT, Chang J. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Optimization of an *In Vitro* Calcium-Alginate Chondrocyte Construct by Rabbit Serum and Ascorbate

36. Yalamanchi N, Klein MB, Pham H, Longaker MT, Chang J. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Flexor Tendon Wound Healing In Vitro: The Effect of Lactate on TGF-Beta Peptide and Receptor Isoforms
37. Karanas YL, Webster RG, Ashjian P, Lorenz HP, Longaker MT, Chang J. 2002 Plastic Surgery Research Council, Boston, Massachusetts: BDNF and CNTF Production After End-to-Side Neurotomy
38. Jones NF, Chang J, Benhaim P, Lawrence J. 2002 American Society for Surgery of the Hand Meeting, Phoenix, Arizona: Comparison of Growth and Function After Conventional Non-Vascularized Toe Phalangeal Bone Grafting and Microsurgical Toe-to-Hand Reconstruction of Congenital Transverse and Longitudinal Hand Deficiencies
39. Klein M, Yalamanchi N, Pham H, Chang J. 2002 American Society for Surgery of the Hand Meeting, Phoenix, Arizona: Effects of TGF-Beta on Tendon Cell Collagen Production.
40. Klein M, Yalamanchi N, Pham H, et al. 2003 American Association of Hand Surgeons Meeting, Kauai, Hawaii: Effects of TGF-Beta on Flexor Tendon Wound Healing.
41. Chang J, Zhang A, Pham H, Longaker M. 2003 British Society for Surgery of the Hand Meeting, Cambridge, England: TGF-Beta Inhibitors in Flexor Tendon Wound Healing.
42. Chang J, Bogdan M, McAdams T, Rubin G. 2003 British Society for Surgery of the Hand Meeting, Cambridge, England: CT Angiography in Upper Extremity Reconstruction.
43. Pham H, Fong KD, Trindade M, Wang Z, Fang TD, Nacamuli RP, Smith RL, Longaker MT, Chang J. 2003 Plastic Surgery Research Council, Las Vegas, NV: Mechanical Shear Stress Induces an Anti-fibrotic Expression Pattern in Primary Tendon Cell Cultures.
44. Zhang AY, Pham H, Longaker MT, Chang J. 2003 Plastic Surgery Research Council, Las Vegas, NV: TGF-Beta Inhibitors in Flexor Tendon Wound Healing.
45. Bogdan M, Rubin GD, McAdams TR, Chang J. 2003 American Society for Surgery of the Hand Meeting, Chicago, IL: CT Angiography in Upper Extremity Reconstruction: Outcomes and Cost Analysis.
46. Chang E, Chang J, Rubin GD, Karanas YL. 2004 American Society of Reconstructive Microsurgery Meeting, Palm Springs, CA: The Use of CT Angiography in Free Flap Breast Reconstruction.
47. Bates S, Morrow E, Pham B, Pham H, Chang J. 2004 Plastic Surgery Research Council Meeting, Ann Arbor, MI: Tissue Engineered Intrasynovial Tendons.
48. Zhang AY, Fong KD, Nacamuli RN, Shaw RB, Pham H, Longaker MT, Chang J. 2004 Plastic Surgery Research Council Meeting, Ann Arbor, MI: Gene Expression Analysis of Dupuytren's Disease.

49. Bates S, Morrow E, Pham B, Pham H, Chang J. 2004 American Society for Surgery of the Hand Meeting, New York, NY: Tissue Engineered Intrasynovial Tendons.
50. Zhang AY, Fong KD, Nacamuli RN, Shaw RB, Pham H, Longaker MT, Chang J. 2004 American Society for Surgery of the Hand Meeting, New York, NY: Gene Expression Analysis of Dupuytren's Disease.
51. Lee LC, Zhang AY, Pham H, Longaker M, Chang J. 2005 Plastic Surgery Research Council Meeting, Toronto, CA: Identification of a Novel Gene, MafB, in Dupuytren's Disease.
52. Kryger GS, Pham H, Wu C, Bates SJ, Chang J. 2005 Plastic Surgery Research Council Meeting, Toronto, CA: Flexor Tendon Tissue Engineering: Comparison of Tenocytes Versus Mesenchymal Stem Cells.
53. Kryger GS, Pham H, Wu C, Bates SJ, Chang J. 2005 American Society for Surgery of the Hand Meeting, San Antonio, TX: Flexor Tendon Tissue Engineering: A Comparison of Tenocytes Versus Stem Cells.
54. Kryger GS, Pham H, Wu C, Bates SJ, Chang J. Flexor Tendon Tissue Engineering: A Comparison of Tenocytes Versus Stem Cells, Journal of the American College of Surgeons, 201, S45-46.
55. Satterwhite T, Chang A, Luo J, Pham H, Costa M, Longaker MT, Wyss-Coray T, Chang J. Continuous Live Imaging of TGF-Beta Activity Using a Novel Transgenic Mouse Wound Healing Model, Plastic and Reconstructive Surgery, 118: 4S, 66-67, 2006.
56. Chang J, Riboh J, Chong A, Pham H. Tissue Engineering of Flexor Tendons with Bioreactors and Stem Cells, Journal of the Japanese Society for Surgery of the Hand, 24: S16, 2007.
57. Riboh J, Chong AK, Pham H, Longaker M, Jacobs C, Chang J. Functional Tissue Engineering of Flexor Tendons: Cyclic Uniaxial Strain Improves Cell Proliferation, Collagen Production, and Morphology in Epitenon Tenocytes and Adipose Derived Stem Cells, Plastic and Reconstructive Surgery, 120: 1S, 39, 2007.
58. Saber S, Zhang A, Ki S, Lindsey D, Pham H, Chang J. Flexor Tendon Tissue Engineering: Cyclic Strain Improves Construct Strength and Tendon Architecture, Plastic and Reconstructive Surgery, 121: 6S, 25, 2008.
59. Zhang A, Ki S, Saber S, Lindsey D, Pham H, Chang J. Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs, Plastic and Reconstructive Surgery, 121: 6S, 108, 2008.

Invited Publications [Non-Peer-reviewed]:

1. Chang J. Changsha Diary. Yale Medicine, 24: 4-8, 1990.
2. Chang J. Institute of Reconstructive Surgery: Peshawar, Pakistan. Plastic & Reconstructive Surgery. 93: 1529, 1994.
3. Chang J, Lineaweaver W. Update on Flexor Tendon Wound Healing: The Role of Growth Factors & Their Therapeutic Implications. Hand Surgery Quarterly - The American Association of Hand Surgery, 11, Summer 1997.
4. Naghshineh S, Chang, J. The Potential Role of Tie 1 and Tie 2 Receptors in Proliferative vs. Involved Hemangiomas. The Stanford Biologist, 5: 55-59, 2000.
5. Chang J, Kuang A. Invited Discussion of: Myogenic Potential of Adipoderived Stem Cells. Plastic & Reconstructive Surgery, 109: 210-211, 2002.
6. Karanas YL, Bogdan MA, and Chang J. Community-acquired MRSA Hand Infections. Infectious Diseases, 4: 8-9, 2001.
7. Klein MB, Chang J. Invited Discussion of Free Split Cutaneous Perforator Flaps Procured Using a Three Dimensional Harvest Technique for the Reconstruction of Postburn Contracture Defects. Plastic & Reconstructive Surgery, 113: 194-195, 2004.
8. Chang J, Longaker MT. Invited Discussion of 5-Fluorouracil Selectively Inhibits Collagen Synthesis. Plastic & Reconstructive Surgery, 116: 222-223, 2005.

Book Chapters:

1. Chang J, Karanas Y, Press BHJ. Efficacy of Rapamycin and FK 506 in Prolonging Rat Hindlimb Allografts; in Composite Tissue Transplantation, R.G. Landes Co.: 247-253, 1998.
2. Chang J, Bogdan M, Lineaweaver WC. Techniques in Molecular Biology for the Plastic Surgeon; in Advances in Plastic & Reconstructive Surgery, Mosby, Inc., 15: 165-184, 1998.
3. Klein M, Chang J, Young D. Update on Skin Substitutes; in Advances in Plastic & Reconstructive Surgery, Mosby, Inc., 15: 223-235, 1998.
4. Jones NF, Chang J, Kashani P. The Surgical and Rehabilitative Aspects of Replantation and Revascularization of the Hand; in Rehabilitation of the Hand and Upper Extremity, 5th edition, Mosby, Inc., 2002.
5. Klein MB, Chang J. Flexor and Extensor Tendon Injuries; in Handbook of Plastic Surgery, Marcel-Dekker, Inc., 2004.
6. Klein MB, Chang J. Congenital Anomalies of the Hand; in Handbook of Plastic Surgery, Marcel-Dekker, Inc., 2004.
7. Klein MB, Chang J. Hand Infections; in Handbook of Plastic Surgery, Marcel-Dekker, Inc., 2004.
8. Pao V, Chang J, Chase RA. Anatomy & Embryology of the Hand; in Handbook of Plastic Surgery, Marcel-Dekker, Inc., 2004.
9. Chang J. Principles of Microsurgery; in eMedicine Plastic Surgery Textbook, 2001.
10. Klein MB, Chang J. Hand Infections; in eMedicine Orthopedic Surgery Textbook, 2001.
11. Webster G, Klein MB, Chang J. Thumb Reconstruction; in eMedicine Orthopedic Surgery Textbook, 2001.
12. Bates S, Chang J. Flexor Tendon Anatomy; in eMedicine Orthopedic Surgery Textbook, 2001.
13. Chang J. Plastic Surgery: Contributions to Hand Surgery; in Plastic Surgery, Saunders Inc., 2006.
14. Chang J, Valero-Cuevas F, Hentz VR, Chase RA. Anatomy & Biomechanics of the Hand, in Plastic Surgery, Saunders Inc., 2006.
15. Chang J, Jones NF. Secondary Soft-tissue Reconstruction of Mutilating Hand Injuries, in The Mutilated Hand, Elsevier Inc., 2005, pp. 355-370.

16. Karanas YL, Chang J. Poland's Syndrome, in Reconstructive Surgery of the Chest, Abdomen, and Pelvis, Marcel-Dekker Inc., New York, New York, 2004.
17. Bates S, Chang J. Hand and Finger Amputations, in Current Therapy in Plastic Surgery, McCarthy J, ed., W.B. Saunders Inc., Philadelphia, Pennsylvania, 2006.
18. Zhang A, Chang J. Tissue Engineering of Flexor Tendons, in Clinics in Plastic Surgery, 30: 565:72, 2003.
19. Rinsky LA, Lincoln T, Chang J, Ladd AL. Pediatric Hand Surgery, in Anesthesiologist's Manual of Surgical Procedures, Jaffe RA and Samuels SI (eds.), 3rd edition, 1084-1128, 2004.
20. Karanas YL, Chang J. Microsurgery – Free-Flap Reconstruction, in Anesthesiologist's Manual of Surgical Procedures, Jaffe RA and Samuels SI (eds.), 3rd edition, 910-911, 2004.
21. Karanas YL, Chang J, Lineaweaver WC, Hui KCW. Microsurgery – Replantation, in Anesthesiologist's Manual of Surgical Procedures, Jaffe RA and Samuels SI (eds.), 3rd edition, 913-916, 2004.
22. Chang J. ASSH Crucial Elements DVD: Radial Nerve Compression, 2004.
23. Chang J. ASSH Crucial Elements DVD: Ulnar Nerve Compression, 2004.
24. Chang J. ASSH Crucial Elements DVD: Axillary Nerve Compression, 2004.
25. Bates SJ, Chang J. Extensor Tendon Injuries, In Grabb & Smith's Plastic Surgery, in press.
26. Watt A, Chang J. Dupuytren's Disease. In Current Reconstructive Surgery, Serletti JM and Losee JE (eds.), McGraw Hill Inc., in press
27. Watt A, Chang J. Amputations. In Hand Surgery Update 4, Trumble T and Budoff J (eds.), ASSH, 2007.
28. Noland S, Chang J. Flexor Tendon Biology. In ASSH Pocket Guide to Hand Surgery.
29. Noland S, Chang J. Thumb Hypoplasia. In Clinical Problem Solving in Plastic Surgery, Taub P, ed.
29. Chang J. Extensor Tendons, In Plastic Surgery: Indications and Practice, Guyuron B et al. (eds.), Elsevier, Inc., 2008.
30. Barzin A, Chang J. ASSH Masters Skills Publication: Flap Reconstruction of the Upper Extremity, "Rectus Flap", 2009.

31. Sen SK, Chang J. Scaphoid Nonunion. In Decision Making in Plastic Surgery. 2nd Ed. Marsh JL, Perlyn C (Eds.) St. Louis: Quality Medical Publishing: 2008.
32. Jones NF, Chang J, Kashani P. The Surgical and Rehabilitative Aspects of Replantation and Revascularization of the Hand; in Rehabilitation of the Hand and Upper Extremity, 6th edition, Mosby, Inc., 2009.

Book Reviews:

1. Chang J, Yale Journal of Biology and Medicine; 62: 231-231, 1989: Atlas of Normal Histology. Sixth Edition. By Mariano S.H. diFiore.
2. Chang J, Yale Journal of Biology and Medicine. 63: 70-71, 1990: Opportunistic Infections in Patients With The Acquired Immunodeficiency Syndrome. Edited by Gifford Leoung and John Mills.
3. Chang J, Yale Journal of Biology and Medicine. 63: 186, 1990: HIV Detection by Genetic Engineering Methods. Edited by Paul Luciw and Kathelyn Sue Steimer.
4. Chang J, Yale Journal of Biology and Medicine. 64: 197, 1991: Wanderjahr - The Education of a Surgeon; Edward D. Churchill. Edited by J. Gordon Scannell.
5. Chang J, Yale Journal of Biology and Medicine. 65: 68, 1992: Plastic Surgery: Principles and Practice; By Maurice Jurkiewicz et al.
6. Chang J, Roberts C. Journal of the American Medical Association. 285: 2015, 2001: Plastic Surgery: Indications, Operations, and Outcomes. Edited by Bruce M. Achauer, et al.
7. Chang J, Klein MB. Journal of the American Medical Association. 287: 1583-1584, 2001: Surgery of the Soul: Reflections on a Curious Career. By Joseph E. Murray.

Textbooks Edited:

1. Benhaim P, Chang J, Greer S, Hedrick MH, and Lorenz HP. Handbook of Plastic Surgery. Marcel-Dekker, Inc., 2004.

Educational Meetings Organized:

2007 Hand Surgery at Squaw: A Symposium for Surgeons and Therapists

2008 Hand Surgery at Tahoe: A Symposium for Surgeons and Therapists

2009 Hand Surgery at Squaw: A Symposium for Surgeons and Therapists

Presentations - National & International Meetings:

1. 1992 Surgical Forum of the American College of Surgeons, New Orleans, Louisiana: "Gene Regulation of Macrophage TGF-Beta in Wound Healing"
2. 1992 Surgical Section of the American Academy of Pediatrics Meeting, San Francisco, California: Intestinal Rotation and Fixation Abnormalities in the Heterotaxia Syndrome"
3. 1993 Surgical Forum of the American College of Surgeons, San Francisco, California: "Fetal and Adult Sheep Fibroblast TGF Beta 1 Gene Expression In Vitro: Effects of Hypoxia and Gestational Age"
4. 1993 Plastic Surgery Research Council, Houston, Texas: "Fetal and Adult Sheep Fibroblast TGF Beta 1 Gene Expression In Vitro: Effects of Hypoxia and Gestational Age", Longaker MT, Chang J, Lorenz HP, et al.
5. 1996 American Society of Plastic and Reconstructive Surgeons Meeting, Dallas, Texas: "Gene Expression of Transforming Growth Factor-Beta and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing - An Update"
6. 1996 Surgical Forum of the American College of Surgeons, San Francisco, California: "Upregulation of Transforming Growth Factor-Beta and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing"
7. 1996 Plastic Surgery Research Council, St. Louis, Missouri: "Upregulation of Transforming Growth Factor-Beta in Wound Healing"- Poster and Presentation
8. 1996 American Society for Surgery of the Hand & Japanese Society for Surgery of the Hand Annual Meeting, Maui, Hawaii: "Upregulation of Transforming Growth Factor-Beta and Basic Fibroblast Growth Factor mRNA in Rabbit Zone II Flexor Tendon Wound Healing"
9. 1997 Surgical Forum of the American College of Surgeons Meeting, Chicago, Illinois: "Gene Expression Of Basic Fibroblast Growth Factor And Vascular Endothelial Growth Factor Is Upregulated In Proliferating Hemangiomas: A Possible Mechanism Of Angiogenesis"
10. 1997 Surgical Forum of the American College of Surgeons Meeting, Chicago, Illinois: "Differential Dural Cytokine Expression Correlates With Fetal Cranial Suture Patency and Calvarial Bone Formation", Mehrara BJ, Most D, Chang J, et al.
11. 1997 American Society of Plastic and Reconstructive Surgeons Meeting, San Francisco, California: "Upregulation of bFGF and VEGF Gene Expression in Proliferative Hemangiomas: A Possible Mechanism of Angiogenesis"
12. 1997 American Society of Plastic and Reconstructive Surgeons Meeting, San Francisco, California: "Differential Dura Mater Cytokine Expression Correlates with Fetal Rat Calvarial Suture Patency and Bone Formation." Most D, Chang J, Bresnick S, et al.

13. 1997 American Society for Surgery of the Hand Meeting, Denver, Colorado: Residents & Fellows Conference: Presentation Discussant
14. 1997 International Society of Craniofacial Surgery - VIIIth International Congress, Santa Fe, New Mexico (Poster): "Proliferative Hemangiomas: The Role of bFGF & VEGF Gene Upregulation"
15. 1997 American Cleft Palate Association, New Orleans, Louisiana: "Upregulation of Transforming Growth Factor- β 1 and Basic Fibroblast Growth Factor mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat Model", Most D, Levine JP, Chang J, et al. [Awarded Junior Investigator Award]
16. 1997 Plastic Surgery Research Council, Galveston, Texas: "Gene Expression of Basic Fibroblast Growth Factor Is Upregulated in Active Hemangiomas: A Possible Mechanism of Angiogenesis"
17. 1997 Plastic Surgery Research Council, Galveston, Texas: "Upregulation of TGF- β 1 and bFGF mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat", Most D, Chang J, Schendel S, et al.
18. 1997 International Burn Foundation Meeting, Maui, Hawaii: "Tibialis Anterior Turnover Flap Coverage of Exposed Tibia in a Severely Burned Patient: A Case Report and Discussion"
19. 1997 American Association of Hand Surgery Meeting, Scottsdale Arizona: "Use of the Shephard Osteotome for Bone Graft Harvest", Laub D, Lin P, Chang J et al.
20. 1998 Plastic Surgery Research Council, Loma Linda, California: "Neutralizing Antibody to TGF- β 1 Improves Post-operative Range of Motion in Flexor Tendon Wound Healing"
21. 1998 American Society for Surgery of the Hand Meeting, Minneapolis, Minnesota: "Management of the Hand in Apert Syndrome: A Simplified Approach" – Poster Presentation
22. 1998 Surgical Forum of the American College of Surgeons Meeting, Orlando, Florida: "Neutralizing Antibody to TGF-Beta 1 Improves Post-operative Range of Motion in Flexor Tendon Wound Healing"
23. 1999 Plastic Surgery Research Council, Pittsburgh, Pennsylvania: "Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting", Karanas Y, Hu M, Bogdan M, et al.
24. 1999 12th Congress of the International Confederation for Plastic, Reconstructive, and Aesthetic Surgery Meeting, San Francisco, California: "Identification and Modulation of TGF Beta 1 in Scarless Flexor Tendon Wound Healing"

25. 1999 12th Congress of the International Confederation for Plastic, Reconstructive, and Aesthetic Surgery Meeting, San Francisco, California: Lower Extremity Papers Session Chair
26. 1999 12th Congress of the International Confederation for Plastic, Reconstructive, and Aesthetic Surgery Meeting, San Francisco, California: Biologic Basis – Tissue Engineering Session Secretary
27. 1999 Surgical Forum of the American College of Surgeons Meeting, San Francisco, California: “Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting”, Karanas Y, Hu M, Bogdan M, et al.
28. 1999 American Society of Plastic and Reconstructive Surgeons Meeting, New Orleans, Louisiana: “Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting”, Karanas Y, Hu M, Bogdan M, et al.
29. 1999 American Society of Plastic and Reconstructive Surgeons Meeting, New Orleans, Louisiana: “Plastic Surgeons in American Hand Surgery: The Past, Present, and Future”
30. 1999 Residents and Fellow’s Conference of the American Society for Surgery of the Hand Meeting, Boston, Massachusetts: “Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting”, Karanas Y, Hu M, Bogdan M, et al. [Awarded the Joseph Boyes Award for Best Paper]
31. 1999 American Association of Hand Surgeons Meeting, Miami, Florida: Instructional Course Chairman; “Molecular Biology and Tissue Engineering for the Hand Surgeon: An Introductory Course”
32. 1999 American Association of Hand Surgeons Meeting, Miami, Florida: “Hand Infections in Heart Transplant Recipients” – Poster Presentation
33. 2000 Basic Science Update for Hand Therapists, Lake Arrowhead, California
34. 2000 American Association of Plastic Surgeons, Laguna Niguel, California: “Radiographic Analysis of Growth In Pediatric Toe-Hand Transfer”
35. 2000 Plastic Surgery Research Council, Seattle Washington: “Differential Expression of TGF-Beta Receptors in Flexor Tendon Wound Healing”, Ngo M, Pham H, Chang J.
36. 2000 Plastic Surgery Research Council, Seattle Washington: “Differential Gene Expression of Flexor Tenocytes and Synovial Sheath Cells In Vitro: The Role of Transforming Growth Factor-Beta Isoforms”, Ngo M, Pham H, Lorenz P, Benhaim P, Hedrick M, Jones NF, and Chang J. - Poster and Presentation

37. 2000 Plastic Surgery Research Council, Seattle Washington: “Human Connective Tissue Stem Cells From Adipose Tissue and Bone Marrow Express Telomerase”, Ngo M, Zhu M, Lorenz HP, Benhaim P, Chang J, and Hedrick MH.
38. 2000 Plastic Surgery Research Council, Seattle Washington: “Hemangioma Endothelial Cells In Vitro: Similarities With Fetal Endothelial Cells”, Dosanjh A, Chang J, Zhou L, Bresnick S, Longaker M, and Karasek M.
39. 2000 Plastic Surgery Research Council, Seattle Washington: Scientific Poster Session Moderator
40. 2000 American Society for Surgery of the Hand Meeting, Seattle, Washington: “Radiographic Comparison of Growth in Pediatric Toe-to-Hand Bone Grafts vs. Microvascular Toe-to-Hand Transfers”, Patel M, Chang J, Lawrence J, Jones NF.
41. 2000 American Society for Surgery of the Hand Meeting, Seattle, Washington: “Management of Hand and Upper Extremity Infections in 911 Consecutive Heart Transplant Patients” – Poster Presentation, Klein M and Chang J.
42. 2000 American Society of Plastic Surgeons Meeting, Los Angeles, California: “Hemangioma Endothelial Cells In Vitro: Similarities With Fetal Endothelial Cells”, Dosanjh A, Chang J, Zhou L, Bresnick S, Longaker M, and Karasek M.
43. 2000 American Society of Plastic Surgeons Meeting, Los Angeles, California: “Differential Expression of TGF-Beta Receptors in Flexor Tendon Wound Healing”, Ngo M, Pham H, Chang J.
44. 2000 American Society of Plastic Surgeons Meeting, Los Angeles, California: “Management of Hand and Upper Extremity Infections in 911 Consecutive Heart Transplant Patients”, Klein M and Chang J.
45. 2000 Surgical Forum of the American College of Surgeons, Chicago, Illinois: “Hemangioma Endothelial Cells In Vitro: Similarities With Fetal Endothelial Cells”, Dosanjh A, Chang J, Zhou L, Bresnick S, Longaker M, and Karasek M.
46. 2000 Surgical Forum of the American College of Surgeons, Chicago, Illinois: “Differential Expression of TGF-Beta Receptors in Flexor Tendon Wound Healing”, Ngo M, Pham H, Longaker MT, and Chang J.
47. 2000 Surgical Forum of the American College of Surgeons, Chicago, Illinois: “Differential Gene Expression of Flexor Tenocytes and Synovial Sheath Cells In Vitro: The Role of Transforming Growth Factor-Beta Isoforms”, Ngo M, Pham H, Lorenz P, Benhaim P, Hedrick M, Jones NF, Chang J.
48. 2000 American Society of Plastic Surgeons On-line Conference: “Scaphoid Non-Union: Surgical Options”

49. 2001 American Association of Hand Surgeons Meeting, San Diego, California: "Community-acquired MRSA Infections of the Hand: Case Reports and Clinical Implications" Poster Presentation, Karanas Y, Bogdan M, and Chang J.
50. 2001 American Association of Hand Surgeons Meeting, San Diego, California: "Simultaneous Pediatric Toe-to-Hand Transfers and Lower Extremity Amputations: The Use of Spare Parts"
51. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: Scientific Session Moderator: Tissue Engineering
52. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: Breakout Session on Advances in Tissue Regeneration and Wound Healing
53. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: "Protective Effects of Superoxide Dismutase Against Ischemia-Reperfusion Injury", Klein M, Bogdan M, Chan P, Chang J. [Awarded Snyder Award for Best Paper by a Plastic Surgery Resident]
54. 2001 Plastic Surgery Research Council, Milwaukee, Wisconsin: "Flexor Tendon Wound Healing *In Vitro*: The Effect of Lactate on Tendon Cell Proliferation and Collagen Production", Klein M, Yalamanchi N, Pham H, Chang J. Poster and Presentation
55. 2001 American Society for Surgery of the Hand Residents & Fellows Conference, Baltimore, Maryland: "Flexor Tendon Wound Healing *In Vitro*: The Effect of Lactate", Klein M, Yalamanchi N, Pham H, Chang J.
56. 2001 Surgical Forum of the American College of Surgeons, New Orleans, Louisiana: "Protective Effects of Superoxide Dismutase Against Ischemia Reperfusion Injury", Klein M, Chan P, Chang J.
57. 2001 Surgical Forum of the American College of Surgeons, New Orleans, Louisiana: "Effects of Lactate on Flexor Tendon Wound Healing", Klein M, Yalamanchi N, Pham H, Longaker M, Chang J.
58. 2001 World Society of Reconstructive Microsurgery, Taipei, Taiwan: "Acute Grafting in Traumatic Peripheral Nerve Injuries", Lineaweaver W, Sud V, Chang J.
59. 2001 American Society of Plastic Surgeons Meeting, Orlando, Florida: "Protective Effects of Superoxide Dismutase Against Ischemia-Reperfusion Injury", Klein M, Chan P, Chang J.
60. 2002 American Association of Hand Surgery, Cancun, Mexico: "Protective Effects of Superoxide Dismutase Against Ischemia Reperfusion Injury", Klein M, Chang J.
61. 2002 American Association of Hand Surgery, Cancun, Mexico: "Reconstruction of the Hand in Apert Syndrome: A Simplified Approach", Danton T, Chang J, Ladd A, Hentz V.

62. 2002 American Society for Reconstructive Microsurgery Meeting, Cancun, Mexico: “Comparison of Microsurgical and Conventional Reconstruction of Transverse and Longitudinal Congenital Hand Deficiencies”, Jones NF and Chang J.
63. 2002 American Society for Reconstructive Microsurgery Meeting, Cancun, Mexico: “Routine Use of CT Angiography in Microsurgical Planning”, Klein MB, Chow L, Rubin G, and Chang J.
64. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Scientific Session Moderator: “Limb Transplantation and Developmental Biology”
65. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Poster & Presentation: “Flexor Tendon Wound Healing In Vitro: Effects of TGF-Beta on Collagen Production” Klein MB, Yalamanchi N, Pham H, Chang J.
66. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Poster & Presentation: “Expression of Tie1 & Tie2 in Hemangiomas: Evidence For Vascular Differentiation” Dosanjh A, Nagshineh S, Bresnick S, Pham H, Reinisch J, Karasek M, Longaker M, Chang J.
67. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Poster & Presentation: “Optimization of an In Vitro Calcium-Alginate Chondrocyte Construct by Rabbit Serum and Ascorbate” Yalamanchi N, Klein MB, Dosanjh A, Pham H, Longaker MT, Chang J.
68. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Poster & Presentation: “Flexor Tendon Wound Healing In Vitro: The Effect of Lactate on TGF-Beta Peptide and Receptor Isoforms” Yalamanchi N, Klein MB, Pham H, Longaker MT, Chang J.
69. 2002 Plastic Surgery Research Council, Boston, Massachusetts: Poster & Presentation: “BDNF and CNTF Production After End-to-Side Neuroorrhaphy” Karanas YL, Webster RG, Ashjian P, Lorenz HP, Longaker MT, Chang J.
70. 2002 33rd American Pediatric Surgery Association Meeting, Phoenix, Arizona: “Reversed Latissimus Dorsi Muscle Flap for Repair of Recurrent Congenital Diaphragmatic Hernia” Sydorak RM, Hoffman W, Lee H, Yingling CD, Longaker M, Chang J, Smith B, Harrison MR, Albanese CT.
71. 2002 American Society for Surgery of the Hand Meeting, Phoenix, Arizona: “Comparison of Growth and Function After Conventional Non-Vascularized Toe Phalangeal Bone Grafting and Microsurgical Toe-to-Hand Reconstruction of Congenital Transverse and Longitudinal Hand Deficiencies” Jones NF, Chang J, Benhaim P, Lawrence J.
72. 2002 American Society for Surgery of the Hand Meeting, Phoenix, Arizona: “Effects of TGF-Beta on Tendon Cell Collagen Production” Klein M, Yalamanchi N, Pham H, Chang J.

73. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: “Optimization of an *In Vitro* Alginate-Chondrocyte Construct” Yalamanchi N, Klein M, Dosanjh A, Pham H, Longaker MT, Chang J.
74. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: “Mechanical Shear Differentially Regulates TGF-Beta Isoform and Extracellular Matrix Molecule Expression in Tendon Cells” Pham H, Fong K, Trindade M, Fang T, Warren S, Smith L, Longaker M, Chang J.
75. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: “Flexor Tendon Wound Healing In Vitro: Effects of TGF-Beta on Tendon Cell Proliferation and Collagen Production” Klein M, Yalamanchi N, Pham H, Longaker M, Chang J.
76. 2002 Surgical Forum of the American College of Surgeons, San Francisco, California: Plastic Surgery Section Invited Discussant.
77. 2002 American Society of Plastic Surgeons Meeting, San Antonio, Texas: “Optimization of an *In Vitro* Alginate-Chondrocyte Construct” Yalamanchi N, Klein M, Dosanjh A, Pham H, Longaker MT, Chang J.
78. 2002 American Society of Plastic Surgeons Meeting, San Antonio, Texas: Poster Presentation “Early Experience with CT Angiography in Microsurgical Reconstruction” Klein M, Karanas Y, Chow L, Rubin G, Chang J.
79. 2002 American Society of Plastic Surgeons Meeting, San Antonio, Texas: Head & Neck Reconstruction Scientific Session Moderator Chair.
80. 2003 American Federation of Medical Researchers Meeting, Monterey, California: “The Effect of Lactate on TGF-Beta in Flexor Tendon Wound Healing”, Yalamanchi N, Klein MB, Dosanjh AS, Pham H, Longaker MT, and Chang J. [Awarded 1st place award in Surgery Division]
81. 2003 American Association of Hand Surgeons Meeting, Kauai, Hawaii: “Effects of TGF-Beta on Flexor Tendon Wound Healing”, Klein M, Yalamanchi N, Pham H, Chang J.
82. 2003 Plastic Surgery Senior Residents Conference, Los Angeles, California: “Routine Use of CT Angiography in Microsurgical Planning”, Klein MB, Chow L, Rubin G, and Chang J.
83. 2003 Plastic Surgery Senior Residents Conference, Los Angeles, California: “Reconstruction of the Hand in Apert Syndrome: A Simplified Approach”, Danton T, Chang J, Ladd A, Hentz V.
84. 2003 British Society for Surgery of the Hand Meeting, Cambridge, England: “TGF-Beta Inhibitors in Flexor Tendon Wound Healing”.

85. 2003 British Society for Surgery of the Hand Meeting, Cambridge, England: “CT Angiography in Upper Extremity Reconstruction”, Bogdan M., et al.
86. 2003 Plastic Surgery Research Council, Las Vegas, NV: “Mechanical Shear Stress Induces an Anti-fibrotic Expression Pattern in Primary Tendon Cell Cultures”, Pham H at al.
87. 2003 Plastic Surgery Research Council, Las Vegas, NV: “TGF-Beta Inhibitors in Flexor Tendon Wound Healing”, Zhang AY, et al.
88. 2003 Pulvertaft Hand Centre Grand Rounds, Derby, England: “Tissue Engineering and Molecular Biology: Applications to Hand Surgery”
89. 2003 Pulvertaft Hand Centre Fellows Conference, Derby, England: “Hand and Microsurgery Case Presentations”
90. 2003 American Society for Surgery of the Hand Meeting, Chicago, IL: “CT Angiography in Upper Extremity Reconstruction: Outcomes and Cost Analysis”, Bogdan M, et al.
91. 2003 American Society for Surgery of the Hand Meeting, Chicago, IL: “TGF-Beta Inhibitors in Flexor Tendon Wound Healing”, Zhang AY, et al. [Poster Presentation]
92. 2003 American Society of Plastic Surgeons Meeting, San Diego, CA: “Fluid-Induced Shear Stress Effects on Tenocyte Biology”, Fong K, et al.
93. 2003 American Society of Plastic Surgeons Meeting, San Diego, CA: “Inhibition of TGF-Beta-Induced Collagen Production in Flexor Tendon Wound Healing”, Zhang A, et al.
94. 2003 American Society of Plastic Surgeons Meeting, San Diego, CA: “Elective Hand Surgery: Common Problems, Straightforward Solutions”
95. 2004 American Society of Reconstructive Microsurgery Meeting, Palm Springs, CA: “The Use of CT Angiography in Free Flap Breast Reconstruction”, Chang E, Chang J, et al. [Poster Presentation]
96. 2004 Plastic Surgery Senior Residents Conference, Milwaukee, WI: “CT Angiography in Upper Extremity Reconstruction: Outcomes and Cost Analysis”, Bogdan M, et al.
97. 2004 Plastic Surgery Research Council Meeting, Ann Arbor, MI: “Tissue Engineered Intrasynovial Tendons” Bates S, et al.
98. 2004 Plastic Surgery Research Council Meeting, Ann Arbor, MI: “Gene Expression Analysis of Dupuytren’s Disease”, Zhang A, et al. [Poster Presentation]
99. 2004 Plastic Surgery Research Council Meeting, Ann Arbor, MI: Tissue Engineering Session Moderator

100. 2004 American Society for Surgery of the Hand Meeting, New York, NY: Pre-Course: “Live Form New York” - Live Dissection: Homodigital Flaps
101. 2004 American Society for Surgery of the Hand Meeting, New York, NY: “Tissue Engineered Intrasynovial Tendons” Bates S, et al.
102. 2004 American Society for Surgery of the Hand Meeting, New York, NY: Young Members Forum Moderator
103. 2004 American Society for Surgery of the Hand Meeting, New York, NY: “Gene Expression Analysis of Dupuytren’s Disease”, Zhang A, et al.
104. 2004 American Society of Plastic Surgeons Meeting, Philadelphia, PA: “Mannose-6-Phosphate, An Inhibitor of TGF-Beta, Improves Flexor Tendon Repair”, Bates SJ, et al.
105. 2004 Plastic Surgery Educational Foundation Symposium: Achieving Aesthetics and Function Through Reconstructive Surgery, San Francisco, CA: “Compression Neuropathies: Is Endoscopic Release Acceptable?”
106. 2004 Stanford Hand Surgery Symposium, Stanford, CA: “Flexor Tendon Injury & Repair”
107. 2005 Plastic Surgery Research Council Meeting, Toronto, CA: “Identification of a Novel Gene, MafB, in Dupuytren’s Disease”, Lee L, et al.
108. 2005 Plastic Surgery Research Council Meeting, Toronto, CA: “Flexor Tendon Tissue Engineering: Comparison of Tenocytes Versus Mesenchymal Stem Cells”, Kryger GS, et al.
109. 2005 Plastic Surgery Research Council Meeting, Toronto, CA: Tissue Engineering Session Moderator
110. 2005 American Society for Surgery of the Hand Comprehensive Review in Hand Surgery, Chicago, IL: “Dislocations and Ligament Injuries of the Hand”
111. 2005 American Society for Surgery of the Hand Comprehensive Review in Hand Surgery, Chicago, IL: “Dupuytren’s Disease”
112. 2005 American Society for Surgery of the Hand Meeting, San Antonio, TX: “Flexor Tendon Tissue Engineering: A Comparison of Tenocytes Versus Stem Cells”, Kryger GS, et al. [Awarded the Joseph Boyes Award for Best Paper]
113. 2005 American Society for Surgery of the Hand Meeting, San Antonio, TX: Young Members Forum Moderator

114. 2005 American Society for Surgery of the Hand Meeting, San Antonio, TX: "Identification of a Novel Gene, MafB, in Dupuytren's Disease", Lee LC, et al. [Poster Presentation]
115. 2005 American Society for Surgery of the Hand Meeting, San Antonio, TX: "Mannose-6-Phosphate, An Inhibitor of TGF-Beta, Improves Flexor Tendon Repair", Bates SJ, et al. [Poster Presentation]
116. 2005 American Society of Plastic Surgeons Meeting, Chicago, IL: "Flexor Tendon Tissue Engineering: Comparison of Tenocytes Versus Mesenchymal Stem Cells", Kryger GS, et al.
117. 2005 American Society of Plastic Surgeons Meeting, Chicago, IL: "Elective Hand Surgery: Common Problems, Straightforward Solutions"
118. 2005 Association of Academic Surgical Administrators Meeting, San Francisco, CA: "The 80 Hour Work Week: Challenges for a Surgical Subspecialty"
119. 2005 Surgical Forum of the American College of Surgeons, San Francisco, California: "Flexor Tendon Tissue Engineering: Comparison of Tenocytes Versus Mesenchymal Stem Cells", Kryger GS, et al.
120. 2005 Surgical Forum of the American College of Surgeons, San Francisco, California: Plastic Surgery Section Invited Discussant
121. 2006 Plastic Surgery Research Council, Dana Point, CA: "In Vitro Analysis of TGF-Beta1 Inhibition in Transgenic SBE-Luciferase Mice", Satterwhite TS, et al.
122. 2006 Plastic Surgery Research Council, Dana Point, CA: "Live Imaging of Smad 2/3 Dependent TGF-Beta Signaling in Mouse Skin Wound Healing", Chong AK, et al.
123. 2006 Plastic Surgery Research Council, Dana Point, CA: Tissue Engineering Session Moderator
124. 2006 American Society for Surgery of the Hand Comprehensive Review in Hand Surgery, Chicago, IL: "Dislocations and Ligament Injuries of the Hand"
125. 2006 American Society for Surgery of the Hand Comprehensive Review in Hand Surgery, Chicago, IL: "Dupuytren's Disease"
126. 2006 American Society for Surgery of the Hand Meeting, Washington, DC: Young Members Forum Moderator
127. 2006 American Society for Surgery of the Hand Meeting, Washington, DC: "Comparison of Surgical Interventions for Thumb Carpometacarpal Joint Arthritis Using Thumb-Tip Force"

and Pinch Stability Measurements”, Johanson ME, Loomis V, Chang J, Hentz VR. [poster presentation]

128. 2006 American Association for the Surgery of Trauma Meeting, New Orleans, LA: “Requests for Transfer to an Academic Level I Trauma Center: Implications of the Emergency Medical Treatment and Active Labor Act (EMTALA)”, Spain DA, Kopelman A, Chang J, Bellino M, Gregg D, Brundage SI.
129. 2006 American Society of Plastic Surgeons Meeting, San Francisco, CA: “Elective Hand Surgery: Common Problems, Straightforward Solutions”
130. 2006 American Society of Plastic Surgeons Meeting, San Francisco, CA: “Continuous Live Imaging of TGF-Beta Activity Using a Novel Transgenic Mouse Wound Healing Model”, Satterwhite T, Chong A, Luo J, Pham H, Costa M, Longaker MT, Wyss-Coray T, Chang J.
131. 2007 American Association of Hand Surgery Meeting, Puerto Rico: “Flexor Tendon Repair Using a Novel Polylactide/Polyglycolide Platform: Biomechanical and Immunohistochemical Analyses”, McAdams T, Hentz VR, Chang J.
132. 2007 University of Freiburg Plastic Surgery Research Seminar, Freiburg, Germany: “Translational Research in Flexor Tendon Surgery”
133. 2007 University of Freiburg Plastic Surgery Grand Rounds, Freiburg, Germany: “Pediatric Hand & Microsurgery: Principles, Common Problems, and Innovations”
134. 2007 Kinki University Department of Hand & Plastic Surgery Research Seminar, Osaka, Japan: “Flexor Tendon Tissue Engineering”
135. 2007 Japanese Society for Surgery of the Hand Meeting, Yamagata, Japan: “Tissue Engineering of Flexor Tendons Using Bioreactors and Stem Cells”
136. 2007 Plastic Surgery Research Council, Stanford, CA: Riboh J, Chong AK, Pham H, Longaker M, Jacobs C, Chang J. “Functional Tissue Engineering of Flexor Tendons: Cyclic Uniaxial Strain Improves Cell Proliferation, Collagen Production, and Morphology in Epitenon Tenocytes and Adipose Derived Stem Cells”
137. 2007 Plastic Surgery Research Council, Stanford, CA: Tissue Engineering Session Moderator
138. 2007 Plastic Surgery Research Council, Stanford, CA: “Stanford Plastic Surgery: The Past, Present, and Future”
139. 2007 American Society for Surgery of the Hand Residents and Fellows Meeting, Seattle, WA: Riboh J, Chong AK, Pham H, Longaker M, Jacobs C, Chang J. “Functional Tissue

Engineering of Flexor Tendons: Cyclic Uniaxial Strain Improves Cell Proliferation, Collagen Production, and Morphology” – awarded Joseph Boyes Best Paper Award

140. 2007 American Society for Surgery of the Hand Meeting, Seattle, WA: Tendon Keynote Address: Current and Future Treatment for Flexor Tendon Injuries
141. 2007 American Society for Surgery of the Hand Meeting, Seattle, WA: 2006-07 Sterling Bunnell Traveling Fellowship Report: Tissue Engineering in the Hand
142. 2007 American Society for Surgery of the Hand Meeting, Seattle, WA: Young Members Forum Chair and Moderator
143. 2007 American Society for Surgery of the Hand Meeting, Seattle, WA: Yao J, Riboh J, Chang J, Smith RL. “Bioactive Sutures for Tendon Repair: Assessment of a Novel Method of Delivering Mesenchymal Stem Cells”
144. 2007 American Society for Surgery of the Hand Meeting, Seattle, WA: Chong A, Riboh J, Lindsey D, Pham H, Yao J, Chang J. “Flexor Tendon Tissue Engineering: Preservation of Biomechanical Properties in Acellularized and Reseeded Tendon Constructs”
145. 2007 American Society of Plastic Surgeons Meeting, Baltimore, MD: Riboh JC, Hsu C, Karanas Y, Chang J, Lee G. “CT Angiography in Microsurgery: Indications, Influence, and Pitfalls”
146. 2007 American Society of Plastic Surgeons Meeting, Baltimore, MD: Riboh JC, Chong AK, Pham H, Longaker MT, Jacobs C, Chang J. “Tissue Engineering of Flexor Tendons: Straining for Better Results”
147. 2007 American Society of Plastic Surgeons Meeting, Baltimore, MD: “Elective Hand Surgery: Common Problems, Straightforward Solutions”
148. 2008 American Association for Hand Surgery Meeting, Los Angeles, CA: “Tendon Reconstruction”
149. 2008 American Association for Hand Surgery Meeting, Los Angeles, CA: “Thumb Arthritis: Challenges & Management”
150. 2008 American Association for Hand Surgery Meeting, Los Angeles, CA: “Instructional Course on Thumb Reconstruction”
151. 2008 American Association for Hand Surgery Meeting, Los Angeles, CA: “Scientific Session Moderator”
152. 2008 Plastic Surgery Research Council, Springfield, IL: Saber S, Zhang AY, Ki SH, Lindsey D, Pham H, Chang J. “Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength”

153. 2008 Plastic Surgery Research Council, Springfield, IL: Zhang AY, Ki SH, Saber S, Pham H, Lindsey D, Chang J. "Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs"
154. 2008 American Society for Surgery of the Hand Meeting, Chicago, IL: Saber S, Zhang AY, Ki SH, Lindsey D, Pham H, Chang J. "Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength"
155. 2008 American Society for Surgery of the Hand Meeting, Chicago, IL: Zhang AY, Ki SH, Saber S, Pham H, Lindsey D, Chang J. "Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs"
156. 2008 American Society for Surgery of the Hand Meeting, Chicago, IL: "Scientific Session Moderator"
157. 2008 American Society for Surgery of the Hand Meeting, Chicago, IL: Yao J, Riboh J, Chang J, Smith RL. "Bioactive Sutures: Assessment of a Method of Delivering Pluripotential Cells to Tendon Repair Sites"
158. 2008 1st World Congress of Plastic Surgeons of Chinese Descent, Beijing, China: Keynote Lecture: "New Trends in Academic Plastic Surgery in the United States"
159. 2008 Surgical Forum of the American College of Surgeons, San Francisco, California: Saber S, Zhang AY, Ki SH, Lindsey D, Pham H, Chang J. "Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength"
160. 2008 Surgical Forum of the American College of Surgeons, San Francisco, California: Zhang AY, Ki SH, Saber S, Pham H, Lindsey D, Chang J. "Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs" Award winning poster and presentation
161. 2009 American Association for Hand Surgery, Wailea, Hawaii: Saber S, Zhang AY, Ki SH, Lindsey D, Pham H, Chang J. "Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength"
162. 2009 American Association for Hand Surgery, Wailea, Hawaii: Zhang AY, Ki SH, Saber S, Pham H, Lindsey D, Chang J. "Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs"
163. 2009 American Association for Hand Surgery, Wailea, Hawaii: Panelist: Multi-Trauma Case Presentations
164. 2009 AAHS/ASPN/ASRM Combined Meeting, Wailea, Hawaii: Instructional Course Moderator: Bridging the Nerve Gap

Presentations - Local & Regional:

1. 1989 Wilbur Downs International Health Fellowship Research Symposium, New Haven, Connecticut
2. 1989 Nathan Smith History of Medicine Lecture, New Haven, Connecticut:
"From Missionaries to Mao: The Yale-in-China Medical Program"
3. 1991 Yale-New Haven Hospital Department of Surgery Grand Rounds:
"A Surgeon's Taste in Art: The Remarkable Oil Painting Collection of the Rev. Dr. Peter Parker - Missionary in China, 1835"
4. 1991 Yale University Humanities in Medicine Lecture Series, New Haven, Connecticut
5. 1992 Sarnoff Research Symposium, Bethesda, Maryland:
"Fibroblast TGF- β Gene Expression in Fetal Wound Healing"
6. 1994 Stanford University Medical Center Division of Plastic Surgery Grand Rounds: "Hand Tumors - An Update"
7. 1995 Stanford University Medical Center Division of Plastic Surgery Grand Rounds: "Flexor Tendon Injury and Repair"
8. 1995 Santa Clara Valley Medical Center Burn Unit Rounds: "Facial Burns"
9. 1996 Stanford University Medical Center Division of Plastic Surgery Grand Rounds:
"Facial Burns"
10. 1996 Stanford University Medical Center Department of Surgery Grand Rounds:
"70% Total Body Surface Area Burn Reconstruction"
11. 1997 UCSF-Stanford Academic Plastic Surgery Symposium, San Francisco, California:
Meeting Moderator
12. 1997 California Society of Plastic Surgeons Meeting, San Francisco, California: "Gene Expression of Transforming Growth Factor Beta-1 in Flexor Tendon Wound Healing: Evidence for Dual Mechanisms of Repair"
13. 1997 California Society of Plastic Surgeons Meeting, San Francisco, California:
"Upregulation of TGF- β 1 and bFGF mRNA Correlates with Posterior Frontal Cranial Suture Fusion in the Rat", Most D, Chang J, Schendel S, et al.
14. 1997 Stanford University Medical Center Division of Plastic Surgery Grand Rounds:
"Vascular Birthmarks"
15. 1998 California Society of Plastic Surgeons Meeting, Santa Barbara, California:

“Proliferative Hemangiomas: The Role of Cytokine Gene Expression and Angiogenesis”

16. 1998 California Society of Plastic Surgeons Meeting, Santa Barbara, California:
“Reconstruction of the Hand in Apert Syndrome: A Simplified Approach”
17. 1998 California Society of Plastic Surgeons Meeting, Santa Barbara, California:
“Staged Closure of Complicated Bronchopleural Fistulas”, Turk A, Chang J, Schmoker J
18. 1998 California Society of Plastic Surgeons Meeting, Santa Barbara, California:
“A Single Surgeon Experience with 69 Primary Palatoplasties”, Tourner S, Lorenz P, Chang J, et al.
19. 1999 California Society of Plastic Surgeons Meeting, San Francisco, California: “Gene Expression of TGF-Beta Isoforms in Interposition Nerve Grafting”, Karanas Y, Hu M, Bogdan M, et al. [Awarded Best Paper – Resident’s Competition]
20. 1999 California Society of Plastic Surgeons Meeting, San Francisco, California: ”Free Flap Closure in Complex Congenital and Acquired Defects of the Palate”
21. 1997 Stanford University Medical Center Division of Plastic Surgery Review Session: “Soft Tissue Reconstruction of the Hand”
22. 1999 American Society of Hand Therapists – California Chapter, Stanford, California:
“Advances in Hand Surgery: From Bench to Bedside”
23. 1999 Stanford Department of General Surgery Review Session: “Plastic Surgery for the General Surgeon: Grafts vs. Flaps”
24. 1999 UCLA Division of Hand Surgery Conference: “Distal Radius Fractures: New Techniques”
25. 1999 UCLA Department of Orthopedic Surgery Core Curriculum Course: “Hand Infections and Compartment Syndrome: Evaluation and Treatment”
26. 2000 UCLA Department of Orthopedic Surgery Core Curriculum Course: “Dupuytren’s Disease”
27. 2000 UCLA Department of Orthopedic Surgery Core Curriculum Course: “Hand Tumors: An Update”
28. 2000 17th Annual Stanford Medical Student Research Symposium, Stanford, California:
“Hemangiomas In Vitro: Similarity With Fetal Endothelial Cells”, Dosanjh A, Chang J, Bresnick S, et al. [2nd Place Prize Winner]
29. 2000 California Society of Plastic Surgeons Meeting, Santa Monica, California:
“Radiographic Analysis of Growth in Pediatric Toe-to-Hand Transfer”

30. 2000 California Society of Plastic Surgeons Meeting, Santa Monica, California: “Hand and Upper Extremity Infections in Heart Transplant Recipients”, Klein MB, Chang J.
31. 2000 California Society of Plastic Surgeons Meeting, Santa Monica, California: “Hemangiomas In Vitro: Similarity With Fetal Endothelial Cells”, Dosanjh A, Chang J, Bresnick S, et al. [CSPS Best Paper Award]
32. 2000 Stanford Plastic Surgery Review Course, Palo Alto, California: “Hemangiomas & Vascular Malformations”
33. 2000 Stanford Plastic Surgery Review Course, Palo Alto, California: “Casebook Presentation”
34. 2000 Stanford University Division of Plastic Surgery Grand Rounds: “Hand & Microsurgery”
35. 2000 Stanford University Department of Orthopedic Surgery Grand Rounds: “Replantation & Reconstructive Microsurgery of the Hand”
36. 2000 Stanford University Department of Surgery Research Conference: “Molecular Biology and Hand Surgery”
37. 2000 Stanford University Department of Surgery Grand Rounds: “Complex Hand Reconstruction: Microsurgery and Molecular Biology”
38. 2000 Stanford University Falk Cardiovascular Research Seminar: “Hemangiomas and Angiogenesis”, Dosanjh A, Chang J, Karasek M.
39. 2000 Stanford University Medical Center Emergency Medicine and Lifeflight Seminar: “Replantation”
40. 2001 American Society of Hand Therapists – California Chapter, Stanford, California: “Microvascular Reconstruction of the Hand”
41. 2001 18th Annual Stanford Medical Student Research Symposium, Stanford, California: “Expression of Tie1 and Tie2 in Hemangiomas”, Dosanjh A, et al. [Awarded 2nd Place Poster Award]
42. 2001 California Society of Plastic Surgeons Meeting, Monterey, California: “Simultaneous Pediatric Toe-to-Hand Transfers and Lower Extremity Amputations: The Use of Spare Parts”
43. 2001 California Society of Plastic Surgeons Meeting, Monterey, California: “Midface Lift as an Adjunctive Procedure for Severe Ectropion”, Wall S et al.

44. 2001 California Society of Plastic Surgeons Meeting, Monterey, California: “Tendon Wound Healing *In Vitro*: Effects of Lactate on Tendon Wound Healing”, Klein M et al.
45. 2001 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Mutilating Hand Injuries”
46. 2001 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Dupuytren’s Contracture”
47. 2001 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Anatomic Dissections of the Hand & Upper Extremity”
48. 2001 Stanford Plastic Surgery Review Course, Palo Alto, California: “Hemangiomas & Vascular Malformations”
49. 2001 Stanford Plastic Surgery Review Course, Palo Alto, California: “Casebook Presentation”
50. 2001 Stanford Plastic Surgery Core Curriculum: “Emergency Hand Surgery”
51. 2001 Stanford Plastic Surgery Core Curriculum: “Microsurgery”
52. 2001 Stanford University Medical Center Emergency Medicine and Lifeflight Seminar: “Replantation and Mutilating Injuries to the Hand”
53. 2001 Stanford University Medical Center Hand Center Conference: “Replantation and Reconstructive Microsurgery of the Hand”
54. 2001 Community Hospital of Monterey Peninsula Invited Grand Rounds, Monterey, California: “Update on Tissue Engineering”
55. 2001 Stanford University Department of Surgery Grand Rounds: “Pediatric Reconstructive Microsurgery: The SMILE Procedure and Other Operations”
56. 2002 Stanford University Department of Pediatrics Grand Rounds: “Pediatric Reconstructive Microsurgery”
57. 2002 Western Regional Medical Student Meeting, Carmel, California: “Optimization of an In Vitro Calcium-Alginate Chondrocyte Construct by Rabbit Serum and Ascorbic Acid”
Yalamanchi N, Klein MB, Dosanjh AS, Pham HM, Chang J.
58. 2002 Stanford University Medical Center Hand Center Conference: “Pediatric Microsurgery”
59. 2002 Dartmouth College Thayer School of Engineering – Bioengineering Lecture, Hanover, New Hampshire: “Update on Tissue Engineering”

60. 2002 Dartmouth-Hitchcock Medical Center Combined Orthopedic Surgery & Plastic Surgery Grand Rounds, Hanover, New Hampshire: “Common Hand Problems: Molecular Approaches”
61. 2002 Dartmouth-Hitchcock Medical Center Combined Orthopedic Surgery & Plastic Surgery Grand Rounds, Hanover, New Hampshire: “Case Presentations – Tendon Transfers”
62. 2002 19th Annual Stanford Medical Student Research Symposium, Stanford, California: “Optimization of an *In Vitro* Chondrocyte-Alginate Construct”, Yalamanchi, N. et al. [Awarded 2nd Place Prize]
63. 2002 19th Annual Stanford Medical Student Research Symposium, Stanford, California: “Flexor Tendon Wound Healing *In Vitro*: The Effects of Lactate on TGF-Beta Peptide and Receptor Isoforms and TGF-Beta Functional Activity”, Yalamanchi, N. et al.
64. 2002 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Mutilating Hand Injuries”
65. 2002 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Wound Healing”
66. 2002 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Anatomic Dissections of the Hand & Upper Extremity”
67. 2002 California Society of Plastic Surgeons Meeting, Rancho Mirage, California: “CT Angiography in Microsurgical Reconstruction”, Klein M. et al.
68. 2002 California Society of Plastic Surgeons Meeting, Rancho Mirage, California: “Protective Effects of SOD Against Reperfusion Injury”, Klein M. et al. [Awarded Best Paper – Resident’s Competition]
69. 2002 Northern California Hand Therapists Association Lecture Series (6/26/02), Stanford, California: “Grafts and Flaps”
70. 2002 Stanford Plastic Surgery Review Course, Palo Alto, California: “Vascular Malformations”
71. 2002 Stanford Plastic Surgery Review Course, Palo Alto, California: “Hand Surgery Review”
72. 2002 Stanford Plastic Surgery Core Curriculum: “Emergency Hand Surgery”
73. 2002 Stanford Plastic Surgery Grand Rounds: “Principles of Microsurgery”
74. 2002 Stanford University Department of Surgery Grand Rounds: “Optimizing Microvascular Head and Neck Reconstruction”

75. 2003 California Society of Plastic Surgeons Meeting, Sacramento, California: “TGF-Beta Inhibitors in Flexor Tendon Wound Healing”, Zhang A., et al.
76. 2003 California Society of Plastic Surgeons Meeting, Sacramento, California: “CT Angiography in Upper Extremity Reconstruction”, Bogdan M., et al.
77. 2003 Dartmouth College Thayer School of Engineering – Bioengineering Lecture, Hanover, New Hampshire: “Bioengineering Applications to Reconstructive Surgery”
78. 2003 Stanford University Medical Center Emergency Medicine and Lifeflight Seminar: “Replantation and Mutilating Injuries to the Hand”
79. 2003 American Society of Hand Therapy – California Chapter Review Course, Stanford, California: “Mutilating Hand Injuries”
80. 2003 American Society of Hand Therapy – California Chapter Review Course, Stanford, California: “Wound Healing”
81. 2003 Trauma Education Consortium: Trauma Conference, Monterey, California: “A Stitch in Time: Plastic and Replant Surgery”
82. 2003 Stanford Plastic Surgery Review Course, Palo Alto, California: “Vascular Anomalies”
83. 2003 Stanford Plastic Surgery Review Course, Palo Alto, California: “Hand Surgery Review”
84. 2003 Stanford Plastic Surgery Review Course, Palo Alto, California: “General Reconstruction Review”
85. 2004 Stanford Surgical Grand Rounds, Stanford, California: “Dr. Peter Parker and the Lam Qua Oil Paintings: U.S.-China Surgical Relations from the Past to Today”
86. 2004 Stanford University Medical Center Hand Center Conference: “Update on Tissue Engineering”
87. 2004 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Mutilating Hand Injuries”
88. 2004 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Wound Healing”
89. 2004 Northern California Hand Therapists Association Annual Review Course, Stanford, California: “Anatomic Dissections of the Hand & Upper Extremity”

90. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “CT Angiography for Recipient Vessels in Breast Reconstruction”, Karanas Y, et al.
91. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “Use of the VAC in Sternal Wound Reconstruction”
92. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “Update on Common Hand Problems Panel”
93. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “Tissue Engineered Intrasynovial Tendons”, Bates S, et al.
94. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “Gene Expression Analysis of Dupuytren’s Disease”, Zhang A, et al.
95. 2004 California Society of Plastic Surgeons Meeting, San Diego, California: “Anti-Scarring Effects of Fluid-induced Shear in Tendon Cells”, Fong K, et al.
96. 2004 Stanford University Medical Center Hand Center Conference: “Common Hand Problems”
97. 2004 Stanford University Medical Center Hand Center Conference: “Flaps vs. Grafts”
98. 2004 Stanford University Plastic Surgery Grand Rounds: “Dr. Peter Parker and the Lam Qua Oil Paintings: U.S.-China Surgical Relations from the Past to Today”
99. 2004 Stanford University Medical Center Plastic Surgery Grand Rounds: “Emergency Hand Surgery”
100. 2004 Northern California Hand Therapists Association Conference: “Flexor Tendon Injury and Repair”
101. 2005 Stanford University Department of Surgery Grand Rounds: “Replantation 2005”
102. 2005 Stanford University Medical Center Emergency Medicine and Lifeflight Seminar: “Replantation and Mutilating Injuries to the Hand”
103. 2005 Stanford University Department of Orthopedic Surgery Core Curriculum: “Replantation and Microsurgery”
104. 2005 California Society of Plastic Surgeons Meeting, Sonoma, California: “An Inhibitor of TGF-Beta Improves Flexor Tendon Repair”, Bates SJ, et al.
105. 2005 California Society of Plastic Surgeons Meeting, Sonoma, California: “Flexor Tendon Engineering: Comparing Tenocytes vs. Stem Cells”, Kryger GS, et al.

106. 2005 Annual Occupational Therapists Association of California Meeting, Santa Clara, California: "Flexor Tendon Injuries"
107. 2005 Annual Occupational Therapists Association of California Meeting, Santa Clara, California: "Extensor Tendon Injuries"
108. 2006 Stanford University Department of Orthopedic Surgery Teaching Conference, Stanford, California: "Common Hand Flaps"
109. 2006 Stanford University Department of Surgery Grand Rounds: "Making a Thumb: The Stanford Experience"
110. 2006 Stanford University Medical Center Hand Center Conference: "Dislocations and Ligament Injuries in the Hand"
111. 2006 California Society of Plastic Surgeons/Rocky Mountain Association of Plastic Surgeons Meeting, Las Vegas, NV: "Optimal Timing of Microsurgical Reconstruction in Severe Lower Extremity Trauma Revisited: Outcomes Do Not Correlate with Early Flap Coverage" Nigriny J. et al.
112. 2006 California Society of Plastic Surgeons/Rocky Mountain Association of Plastic Surgeons Meeting, Las Vegas, NV: "An Efficient, Web-based Plastic Surgery Training Paradigm", Safa B., et al.
113. 2006 California Society of Plastic Surgeons/Rocky Mountain Association of Plastic Surgeons Meeting, Las Vegas, NV: "Utility of CT Angiography in Pediatric Extremity Trauma", Hsu C., et al.
114. 2006 Stanford University Biodesign Program: "Opportunities for Bioinnovation in Plastic and Hand Surgery"
115. 2006 Stanford University Medical Center Hand Center Conference: "Replantation Techniques"
116. 2006 Santa Rosa Memorial Hospital Grand Rounds: "Reconstructive Surgery: From Microsurgery to Leeches"
117. 2006 American College of Surgeons Committee on Trauma Resident Research Competition Region IX, Stanford, CA: "CT Angiography in Pediatric Extremity Trauma: Pre-operative Evaluation Prior to Reconstructive Surgery", Hsu C., et al.
118. 2006 American College of Surgeons Committee on Trauma Resident Research Competition Region IX, Stanford, CA: "Functional Tissue Engineering of Flexor Tendons for Trauma Reconstruction: Cyclic Uniaxial Strain Improves Cell Proliferation, Collagen Production, and Morphology in Epitenon Tenocytes and Adipose Derived Stem Cells", Riboh J, Chang A, Pham H, Longaker M, Jacobs C, Chang J.

119. 2007 Stanford University Department of Orthopedic Surgery Core Course, Stanford, California: “Replantation and Microsurgery”
120. 2007 Department of Surgery Grand Rounds, Stanford, California: “Tissue Engineering for Surgery of the Hand: Experience from the Bunnell Traveling Fellowship”
121. 2007 Hand Surgery Teaching Conference, Stanford, California: “Tissue Engineering of Flexor Tendons”
122. 2007 Stanford University School of Medicine Surgery Mentorship Conference: “Time Management for Assistant Professors”
123. 2007 Northern California Hand Therapists Association Conference: “Update on Flexor Tendon Repair”
124. 2008 Department of Surgery Grand Rounds, Stanford, California: “Establishment of a Complex Reconstruction Center”
125. 2008 UC Davis Plastic Surgery Grand Rounds: “Pediatric Hand & Microsurgery: Principles and Innovations”
126. 2008 UC Davis Plastic Surgery Grand Rounds: “Thumb Reconstruction
127. 2008 California Society of Plastic Surgeons Meeting, Dana Point, CA: Zhang AY, Ki SH, Saber S, Pham H, Lindsey D, Chang J. “Flexor Tendon Tissue Engineering: The Biomechanical Analysis of Explanted Acellularized Tendon Constructs”
128. 2008 California Society of Plastic Surgeons Meeting, Dana Point, CA: Park MJ, Lichtman G, Christian JB, Weintraub J, Chang J, Hentz VR, Ladd AL, Yao J. “Surgical Treatment of Thumb Carpometacarpal Joint Arthritis: A Single Institution Experience From 1995-2005”
129. 2008 California Society of Plastic Surgeons Meeting, Dana Point, CA: Saber S, Zhang AY, Ki SH, Lindsey D, Pham H, Chang J. “Flexor Tendon Tissue Engineering: Bioreactor Cyclic Strain Increases Construct Strength”

Research Fellows Mentored:

1. Daniel Most MD – Attending hand and plastic surgeon
2. Richard Thunder MD – Attending orthopedic spine surgeon
3. Yvonne Karanas MD – Associate Chief of Plastic Surgery: Santa Clara Valley Medical Center
4. Matthew Klein MD – Associate Professor of Plastic Surgery: University of Washington
5. Amarjit Dosanjh MD – Plastic surgery resident: U.C. San Francisco
6. Mytien Ngo MD – Plastic surgery resident: University of Southern California
7. Naveen Yalamanchi MD – Orthopedic surgery resident: University of California, Los Angeles
8. Emily Senecal MD– Emergency medicine resident: Harvard University
9. Steven Bates MD – Clinical Instructor of Orthopedic Surgery: University of California, Los Angeles
10. Fred Ho – Graduate student: University of California, Berkeley
11. Keying Teng MD – Attending plastic surgeon, Shanghai, China
12. Lynette Sholl MD – Pathology resident: Harvard University
13. Andrew Zhang MD - Plastic surgery resident: Stanford University
14. Ellen Morrow MD – General surgery resident: Stanford University
15. Bryant Pham - Undergraduate student: University of California, San Diego
16. Lucy Lee – Medical student: Stanford University
17. Cindy Wu – Undergraduate student: Dartmouth College
18. Gil Kryger MD – Plastic surgery resident: Stanford University
19. Melinda Costa MD – Plastic surgery resident: University of Southern California
20. Alphonsus Chong MD– Attending hand surgeon: National University of Singapore
21. Bauback Safa MD – Plastic surgery resident: Stanford University

22. Charles Hsu MD – Plastic surgery resident: Stanford University
23. John Nigriny MD – Microsurgery fellow: M.D. Anderson Cancer Center
24. Thomas Satterwhite – Medical student: Stanford University
25. Jonathan Riboh - Medical student: Stanford University
26. Rena Witt – Medical student: VU University, Amsterdam, Netherlands
27. Christian Ford – Plastic surgery resident: Stanford University
28. Sepideh Saber – Medical student: Stanford University
29. Sae Whai Ki – Attending hand surgeon: Seoul, Korea
30. Ioannis Angelidis – Post-doctoral fellow
31. Johan Thorfinn – Post-doctoral Fellow: Sweden
32. Ian Connolly – Stanford undergraduate student
33. Brian Pridgen – Medical Student: Stanford University

Overseas Medical Work:

1. 1992 San Francisco Flying Doctors Program - Divisaderos, Mexico
2. 1992 Hospital de la Familia Plastic Surgery Mission - Nuevo Progreso, Guatemala
3. 1993 Institute of Reconstructive Surgery - Afghanistan border, Peshawar, Pakistan
4. 1997 Interplast Domestic Patients Program
5. 1998 Interplast Plastic Surgery Mission - Quang Ngai, Vietnam

Research Interests:

1. Modulation of Transforming Growth Factor-Beta in Scarless Flexor Tendon Wound Healing
2. Tissue Engineered Flexor Tendon Grafts for Extremity Reconstruction
3. DNA Microarray Analysis of Dupuytren's Contracture
4. CT Angiography in Complex Microsurgical Reconstruction

Clinical Interests in Hand Surgery and Plastic Surgery

1. Replantation in the Upper Extremity
2. Complex Hand Reconstruction
3. Reconstructive Microsurgery
4. Pediatric Hand and Microsurgery
5. Facial Paralysis Surgery

Personal History:

Wife - Harriet Walker Roeder MD, MPH

Children - Julia Roeder Chang, born 1996

Kathleen Roeder Chang, born 1998

Cecilia Roeder Chang, born 2003

Updated 1/9/09