

## ZIV M. PELED, MD

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### **EMPLOYMENT:**

- 7/09- present    **PELED PLASTIC SURGERY; San Francisco & Walnut Creek, California**  
Owner
- 7/07- 6/09      **Dellon Institute for Peripheral Nerve and Plastic Surgery: Northern California; San Francisco, California**  
Director, Chief Plastic and Peripheral Nerve Surgeon
- 7/06-6/07      **Institute for Plastic Surgery and Peripheral Nerve Surgery; Tucson, Arizona; (520) 298-2325**  
Staff Plastic Surgeon/Peripheral Nerve Surgery Trainee

### **TRAINING & EXPERIENCE:**

- 7/03-6/06      **Harvard Medical School, Division of Plastic Surgery**  
Plastic Surgery Resident ('03-'05) & Chief Resident ('05-'06)
- 7/01-6/03      **University of Connecticut School of Medicine, Department of Surgery**  
Senior Resident Physician & Surgeon
- 9/00-6/01      **Stanford University, Division of Plastic and Reconstructive Surgery**  
Michael T. Longaker, MD Laboratories. Fetal Wound Healing Research Fellow, Group Leader – Epithelial Biology Group
- 7/99-9/00      **New York University Medical Center, Institute of Reconstructive Plastic Surgery**  
Michael T. Longaker, MD Laboratories. Fetal Wound Healing Research Fellow
- 7/97-7/99      **University of Connecticut School of Medicine, Department of Surgery**  
Junior Resident Physician & Surgeon

## **EDUCATION:**

### **University of Connecticut School of Medicine**

Farmington, CT

Doctor of Medicine, May, 1997

(AOA & class rank not offered at UCONN)

### **Hamilton College**

Clinton, NY

Bachelor of Arts Degree, Psychology

*Magna Cum Laude*, Phi Beta Kappa, May, 1993

Curriculum concentrated on aspects of general psychology and psychopathology in combination with principles of statistical analysis and behavioral neuroscience. B.A. Thesis entitled "Medical Decision-Making In Adults and Adolescents: An Examination of the Post-Formal Stage of Cognitive Development". Cumulative average 92.31/100.00 or 3.83/4.00.

## **HONORS & AWARDS:**

### **RESIDENCY:**

1. "Excellence in Teaching" award from the medical students at Harvard Medical School (2006)
2. Voted "**Best Teaching, Surgical Resident**" by the medical students of the University of Connecticut School of Medicine (1998)

### **MEDICAL SCHOOL:**

1. **Association For Academic Surgery Award** "in recognition of superior accomplishment in biomedical research as a medical student" (1997)
2. **SmithKline Beecham Pharmaceuticals Award For Excellence In Research** (1994)
3. **Departmental Honors in Surgery, Obstetrics/Gynecology** (1996)
4. **Surgical Scholar**, University of Connecticut School of Medicine, Department of Surgery (1996)
5. **Tutor** (responsible for directing both individual and group tutoring sessions emphasizing any and all elements of the first-year medical curriculum)
6. **Sigma Xi Scientific Research Honor Society** (1995); elected for a second time

### **UNDERGRADUATE:**

1. **Phi Beta Kappa** (1993)

2. *Magna Cum Laude* (1993)
3. **Dean's List** 6 of 8 semesters
4. **Departmental Honors in Psychology** (1993)
5. **Sigma Xi Scientific Research Honor Society** (1993); elected for the second time (1997)
6. **B.F. Skinner Prize in Psychology** (1993)
7. **Psi Chi National Honors Society in Psychology** (1992)
8. **4-year letter winner** on varsity swim team consistently finishing in the top 3 in the State Championship Meet
9. **12-time State Finalist** at the State Championship Swim Meet
10. **3-time All-Academic Team:** Upper New York State Collegiate Swimming Association (finalists at the State Championship Meet with a minimum GPA of 3.5)

### **PUBLICATIONS:**

1. **Peled ZM**, Blount AL, Dexter EL, Nagle RB, Maloney CT, Dellon AL. Sympathetic Nerves In the Tarsal Tunnel: Implications For Blood Flow In the Diabetic Foot. *Plastic and Reconstructive Surgery*, 122(1): 188-91, Jul 2008.
2. **Peled ZM**, Warren AG, Yaremchuk M. Alloplastic Materials in Nasal Reconstruction. *Plastic and Reconstructive Surgery*, 121(3): 85e-92e, Mar 2008.
3. **Peled ZM**, Cooper JS, Cooper RN. Aesthetic Surgery In the Transplant Patient: Pushing the Envelope? *Plastic and Reconstructive Surgery*, 122(2): 69e-70e, Aug 2008.
4. **Peled ZM**, Warren SM, Yaremchuk M. Rhinoplasty – A Practical Approach, *In: Z Kryger and M Cisco (Eds.), Practical Plastic Surgery*. Landes Bioscience: Texas, 2007.
5. **Peled ZM**, Warren AG, Borud LJ. Case Report: Surgical Correction of a Buried Penis In An Adult Male Focusing On the Mons as an Anatomic Subunit. *J Plast Reconstr Aesthet Surg*. Jul 31, 2007.
6. **Peled ZM**, Pribaz JJ. Face Transplantation: The View From Harvard Medical School. *Southern Medical Journal*, 99(4): 414-416, Apr 2006.
7. **Peled ZM**, Liu YS, Slavin S, Lee BT. Case Report: Swelling of the Breast Following Augmentation Mammoplasty and Minimally Invasive Cardiac Surgery. *Annals of Plastic Surgery*, 57(4): 440-442, Oct 2006.
8. **Peled ZM**, Winograd JM, May JW. Neurosensory Free Flaps For Hand Reconstruction: The First Web-Space Flap, *In: DR Slutsky and VR Hentz (Eds.)*,

*Nerve Injury and Repair: A Practical Approach*. Elsevier Science: Philadelphia, 2005.

9. **Peled ZM**, Pribaz JJ. *Review of: Epithelialization Process of Free Fascial Flaps Used In Reconstruction of Oral Cavity Mucosa Defects In Dogs*. *Plastic and Reconstructive Surgery*, 113(3):924-926, Mar 2004.
10. **Peled ZM**, Danton TK, Longaker MT. Fetal Wound Healing, *In: LC Argenta (Ed.), Basic Science For Surgeons: A Review*. W.B. Saunders: Philadelphia, 63-71, 2004.
11. **Peled ZM**, Schreiber J. Chemical, Thermal, and Electrical Burns of the Hand, *In: KD Plancher (Ed.), Master Cases in Hand and Wrist Surgery*. Thieme Medical Publishers: New York, 2004.
12. **Peled ZM**, Galliano RD, Longaker MT, Wound Healing, *In: Greer SE, Benhaim P, Lorenz HP, Chang J, Hedrick MH (Eds.), Handbook of Plastic Surgery*. Marcel Dekker, Inc: New York, 2004.
13. **Peled ZM**, Warren SM, Bouletreau PJ, Longaker MT. Methods To Investigate Fetal Tissue Repair, *In: LA DiPietro and AL Burns-Harring (Eds.), Methods In Molecular Medicine*. The Humana Press, Inc.78: 149-159, 2003.
14. **Peled ZM**, Galliano 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(1): 102-110, Jan, 2002.
15. **Peled ZM**, Rhee SJ, Hsu M, Chang J, Krummel TM, Longaker MT. The Ontogeny of Scarless Healing II: EGF and PDGF-B Gene Expression In Fetal Rat Skin and Fibroblasts As A Function of Gestational Age, *Annals of Plastic Surgery*, 47(4): 417-24, Oct, 2001.
16. **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 and Reconstructive Surgery*, 110(3):801-811, Sept 2001.
17. **Peled ZM**, Hsu M, Chin GS, Liu W, Longaker MT. Ontogeny of TGF- $\beta$ 1, TGF- $\beta$ 3, and TGF- $\beta$  Receptors I and II Expression In Fetal Rat Fibroblasts and Skin, *Plastic and Reconstructive Surgery*. 107(7): 1787-1794, June 2001.
18. **Peled ZM**, Longaker MT. Invited Commentary: The Effect of Hyaluronan On Adult and Fetal Fibroblast Proliferation and Collagen Synthesis: An *In Vitro* Study, Devenci M, Ozturk S, Kopal C, Cincik M, Sengezer M, *European Journal of Plastic Surgery*, 24(5): 228-9, Sept, 2001.

19. **Peled ZM**, Lim IJ, Phan TT, Cowan CM, Warren SM, Bouletreau PJ, Crisera FE, Erfani S, Chang J, Longaker MT. Enhanced Transforming Growth Factor-Beta 1 (TGF- $\beta$ 1) and Reduced Smad 7 Gene Expression Characterize Keloid Human Keratinocytes: Implications For Keloid Pathogenesis, *Surgical Forum*, 52: Oct, 2001.
20. **Peled ZM**, Chin GS, Liu W, Galliano RD, Longaker MT. Response To Tissue Injury, *Clinics in Plastic Surgery*, 27(4): 489-500, Oct, 2000.
21. **Peled ZM**, Liu W, Levinson H, Smith LP, Hsu M, Chin GS, Longaker MT. Cellular Strain Upregulates Pro-fibrotic Growth Factor and Collagen Gene Expression, *Surgical Forum*, 51: 591-593, Oct, 2000.
22. **Peled ZM**, Stallman J, Reding MJ. Sympathetic Skin Response As A Marker For Autonomic Dysfunction In Patients At Risk For Developing The Shoulder-Hand Pain Syndrome Following Stroke, *Clinical Research*, 42:1:102A, 1994.
23. **Peled ZM**, Pribaz JJ. *Review of: Delayed Reverse Sural Flap For Staged Reconstruction of the Foot and Lower Leg. Plastic and Reconstructive Surgery*, (accepted for publication).
24. **Peled ZM**, Chin GS, Hsu M, Liu W, Levinson H, Lee S, Longaker MT. Endogenous Cytokine Levels As A Function of Gestational Age In Fetal Rat Fibroblasts: Implications For Scarless Cleft Lip/Palate Repair. *Proceedings of the IX International Congress of the International Society of Craniofacial Surgery*. (In Press).
25. Longaker MT, **Peled ZM**, Chang J, Krummel, TM. Fetal Wound Healing: Progress Report and Future Directions, *Surgery*, 130(5): 785-787, Nov, 2001.
26. Rhee SJ, **Peled ZM**, Liu W, Hsu M, Chin GS, Longaker MT. Endogenous Epidermal Growth Factor Expression (EGF) mRNA Levels In Embryonic Rat Skin and Fibroblasts As A Function of Gestational Age, *Surgical Forum*, 51: 410-12, Oct, 2000.
27. Patel P, **Peled ZM**, Chao J, Barrett V, Reding MJ. Mini Mental State Examination Predicts Rehabilitation Outcome Following Stroke. *Clinical Research*, 40:4:860A, 1992.
28. Levinson H, **Peled ZM**, Liu W, Longaker MT, Allison GM, Erlich HP, Fetal Rat Amniotic Fluid: Transforming Growth Factor Beta and Fibroblast Collagen Lattice Contraction. *Journal of Surgical Research*, 100(2): 205-10. Oct 2001.
29. Chin GS, Liu W, **Peled ZM**, Lee TY, Steinbrech DS, Hsu M, Longaker MT. Differential Expression of Transforming Growth Factor- $\beta$  Receptor & Activation of SMAD3 In Keloid Fibroblasts. *Plastic and Reconstructive Surgery*, 108(2): 423-429, Aug 2001.

30. Phelps ED, Updike DL, **Peled ZM**, Chin GS, Hsu M, Liu W, Longaker MT, Howard EW. Large Induction of Stromelysin-1 Correlates With the Ontogeny of Scar Formation In Fetal Rat Skin. *Surgical Forum*, 51: 412-15, Oct, 2000.
31. Chin GS, Hsu M, **Peled ZM**, Liu W, Steinbrech DS, Longaker MT. DDR1, A Novel Collagen receptor, Is Induced During Wound Repair: Possible Regulation By TGF- $\beta$ 1, *Surgical Forum*, 51: 598-600, Oct, 2000.
32. Bouletreau PJ, Warren SM, Spector JA, **Peled ZM**, Gerrets RP, Greenwald JA, Longaker MT. Hypoxia and VEGF Up-Regulate BMP-2 Expression in Microvascular Endothelial Cells: Implications For Fracture Healing. *Plastic and Reconstructive Surgery*, 109(7): 2384-97, Jun 2002.
33. Liu W, Chin GS, Hsu M, **Peled ZM**, Longaker MT. Blocking TGF- $\beta$ 1 Signaling Downregulates TGF- $\beta$ 1 Autocrine Production and Collagen Gene Expression in Keloid Fibroblasts, *Surgical Forum*, 51: 593-95, Oct, 2000.
34. Lim IJ, Phan TT, Bay BH, **Peled ZM**, Qi R, Huynh HT, Lee ST, Tan WTL, Longaker MT. Induction Of Keloid-Like Collagen Secretory Characteristics In Normal Fibroblasts Co-Cultured With Keloid-Derived Keratinocytes, *Surgical Forum*, 52: Oct, 2001.
35. Bouletreau PJ, Warren SM, Steinbrech DS, **Peled ZM**, Crisera FE, Greenwald JA, Longaker MT. The Fracture Microenvironment Regulates Osteoblast Angiogenic Gene Expression. *Surgical Forum*, 52: Oct, 2001.
36. Crisera FE, Warren SM, Bouletreau PJ, **Peled ZM**, Longaker MT. Constant Equibiaxial Mechanical Strain Affects Osteoblast Gene Expression. *Surgical Forum*, 52: Oct, 2001.
37. Cowan CM, Warren SM, Bouletreau PJ, **Peled ZM**, Crisera FE, Longaker MT. Immature vs. Mature Osteoblasts: Implications For Post-Craniotomy Re-Ossification. *Surgical Forum*, 52: Oct, 2001.
38. Liu W, Mehrara BJ, Chin GS, Hsu M, **Peled ZM**, Longaker MT. The Use of Newborn Rats and An Adenoviral Gene Delivery Vector As A Model System for Wound-Healing Research, *Annals of Plastic Surgery*, 44(5): 543-51, May, 2000.
39. Erfani S, Maldonado TS, Crisera CA, Warren SM, **Peled ZM**, Longaker MT. Rescue of An *In Vitro* Palate Non-Fusion Model Using Interposed Embryonic Mesenchyme. *Plastic and Reconstructive Surgery*, 109(7): 2363-72, June, 2002.

40. Erfani S, Maldonado TS, Crisera CA, Warren SM, **Peled ZM**, Longaker MT. Rescue of An *In Vitro* Palate Nonfusion Model Using Interposed Embryonic Mesenchyme. *Plastic and Reconstructive Surgery*, 109(7): 2363-72, Jun 2002.
41. Greenwald JA, Warren SM, Spector JA, Crisera FE, Bouletreau PJ, **Peled ZM**, Longaker MT. Co-Culture System Supports Osteoinductive Role of Suture-Derived Dural Cells. *Surgical Forum*, 52: Oct, 2001.
42. Dellon AL, Williams EH, Rosson GD, Hashemi SS, Tollestrop T, Hagen, RR, **Peled ZM**, Furtmueller G, Ebmer J. Denervation of the Periosteal Origin of the Adductor Muscles in Conjunction with Adductor Fasciotomy in the Surgical Treatment of Refractory Groin Pull. *Plastic and Reconstructive Surgery*, 128(4): 926-32, Oct 2011.

### **PRESENTATIONS:**

1. **2011 Bay Area Trauma Education Consortium Annual Meeting:** Tahoe, NV, Oct 2011. Advances in Trauma Reconstruction.
2. **2010 California Society of Plastic Surgeons Annual Meeting:** Rancho Palos Verdes, CA. May, 2010. Surgical Decompression For Meraglia Paresthetica: A Preliminary Case Series.
3. **John Muir Trauma Symposium: John Muir Medical Center.** Walnut Creek, CA. March, 2010. Advances In Trauma Reconstruction.
4. **Medical Grand Rounds: John Muir Medical Center.** Concord, CA. September, 2008. A Role For Surgery in Diabetic Neuropathy?
5. **Medical Grand Rounds: John Muir Medical Center.** Walnut Creek, CA. September, 2007. A Role For Surgery in Diabetic Neuropathy?
6. **Medical Grand Rounds: Santa Barbara Cottage Hospital.** Santa Barbara, CA. September, 2007. A Role For Surgery in Diabetic Neuropathy?
7. **Medical Grand Rounds: California Pacific Medical Center.** San Francisco, CA. August, 2007. Surgical Treatments For Diabetic Neuropathy.
8. **87<sup>th</sup> Clinical Congress of the American College of Surgeons.** New Orleans, LA 2001. Enhanced Transforming Growth Factor-Beta 1 (TGF- $\beta$ 1) and Reduced Smad 7 Gene Expression Characterize Keloid Human Keratinocytes: Implications For Keloid Pathogenesis.

9. **Annual Meeting of the Plastic Surgery Research Council.** Milwaukee, WI 2001. rhPDGF-BB and Hypoxia Induce VEGF mRNA Expression In Osteoblasts: Implications On the Fracture Microenvironment.
10. **86<sup>th</sup> Clinical Congress of the American College of Surgeons.** Chicago, IL 2000. Cellular Strain Upregulates Pro-fibrotic Growth Factor and Collagen Gene Expression.
11. **86<sup>th</sup> Clinical Congress of the American College of Surgeons.** Chicago, IL 2000. Endogenous Epidermal Growth Factor Expression (EGF) mRNA Levels In Embryonic Rat Skin and Fibroblasts As A Function of Gestational Age.
12. **86<sup>th</sup> Clinical Congress of the American College of Surgeons.** Chicago, IL 2000. Large Induction of Stromelysin-1 Correlates With the Ontogeny of Scar Formation In Fetal Rat Skin.
13. **Annual Meeting of the Plastic Surgery Research Council.** Seattle, WA 2000. Endogenous EGF and PDGF-B mRNA Levels In Fetal Rat Skin and Fibroblasts As A Function of Gestational Age.
14. **Annual Meeting of the New England Society of Plastic and Reconstructive Surgeons.** Newport, RI 1999. Results With the Furlow Double-Reversing Z-Plasty For Primary Cleft Palate Repair: One Surgeon's Experience
15. **Annual Meeting of the Connecticut Chapter of the American College of Surgeons.** Trumbull, CT 1998. Preliminary Results With the Furlow Double-Reversing Z-Plasty For Primary Cleft Palate Repair.
16. **Annual Meeting of the Connecticut Chapter of the American College of Physicians.** Trumbull, CT 1996. The Role of IL-8 In The Neovascularization of Human Breast Carcinoma.

**MEMBERSHIPS, PROFESSIONAL SOCIETIES, BOARD CERTIFICATION:**

1. **American Society for Peripheral Nerve** – active member since 12/2009
2. **California Society of Plastic Surgeons** – active member since 05/2009
3. **American Society of Plastic Surgeons** – active member since 10/2008
4. **American Board of Plastic Surgery** – diplomate as of 01/10/2008

**GRANTS:**

Longaker MT (PI), **Peled ZM** (Co-Investigator), *The Biology of Keloid Pathogenesis*. RO1 Surgery, Anesthesia, Trauma Section, NIH, Funded – March 3, 2002.

### **ABSTRACTS:**

1. Chin GS, Hsu M, **Peled ZM**, Liu W, Steinbrech D, Longaker MT. DDR1, A Novel Collagen receptor, Is Induced During Wound Repair: Possible regulation By TGF- $\beta$ 1, presented at the Annual Meeting of the Plastic Surgery Research Council, May 2000 Seattle, WA and at the 86<sup>th</sup> Clinical Congress of the American College of Surgeons, October 2000, Chicago, IL.
2. Liu W, Levinson H, Smith LP, Hsu M, Chin GS, **Peled ZM**, Longaker MT. Physical Strain Upregulates Pro-Fibrotic Growth Factors and Collagen Gene Expression, presented at the Annual Meeting of the Plastic Surgery Research Council, May 2000, Seattle, WA.
3. Kurtzman SH, Miler L, Wang Y, Anderson K, **Peled ZM**, Kreutzer D. Cytokine Regulation of Angiogenic Factor Expression by Human Breast Cancer Cells *In Vitro* (Surgical Scholars research) presented at the 49th Annual Meeting of the Society of Surgical Oncology, March 1996.

### **ACCOMPLISHMENTS & ACTIVITIES:**

1. Qualified for the Ironman 70.3 World Championships (2006)
2. Qualified for the United States Age Group National Championships in the Half-Ironman-Distance triathlon (2004)
3. Qualified for the United States Age Group National Championships in the Olympic-Distance triathlon (2002, 2004)
4. Finished 25<sup>th</sup> in age group at the Ironman California Triathlon (157<sup>th</sup>/1725 overall; 2001)
5. Finished in the top third at the Ironman USA Triathlon (2000)
6. Qualified for the United States Triathlon Series (USTS) National Championships in the Olympic-Distance Triathlon (1999)