BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Lee, Gordon K.	Assistant Professor of Surgery
eRA COMMONS USER NAME (credential, e.g., agency login) LEE.GORDON	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	MM/YY	FIELD OF STUDY
University of California Los Angeles	B.S.	1989-1992	Molecular, Cellular, & Developmental Biology
Stanford School of Medicine, Stanford, CA	M.D.	1992-1997	Medicine
University of California Los Angeles		1997-2003	Plastic Surgery
University of Texas M. D. Anderson Cancer Center Houston, Texas		2003-2004	Microsurgery

A. Personal Statement

Dr. Lee's clinical interest is primarily in breast surgery, both aesthetic as well as reconstructive. Dr. Lee has particular expertise in microvascular breast reconstruction. Dr. Lee performs over 430+ breast procedures per year. Of these, about 120 are for breast reconstruction at the time of mastectomy. The types of reconstructions include the entire range of microvascular breast reconstruction as well as implant reconstructions. For microvascular reconstruction Dr. Lee routinely perform DIEP flaps, also known as perforator flaps, which spare the abdominal muscles and minimizes the risk of post-operative complications such as muscle weakness, and hernias. Dr. Lee also performs SIEA, SGAP, TUG, and LD flaps. In addition to the breast, Dr. Lee also performs complex reconstructive surgery of the head and neck, extremity, genitalia, and abdominal wall. Dr. Lee works closely with physicians in the Stanford Comprehensive Cancer Center to provide reconstructive plastic surgery services to a large patient base. Patients come from all over the Bay Area, but also as far as Nevada, Oregon, Washington State, and Southern California to have surgery at Stanford. Patients have also come from as far as Asia, and Europe. Dr. Lee serves as the Director of Microsurgery at Stanford, and is recognized regionally, nationally, and internationally as an expert in Microvascular Breast Reconstruction, and is dedicated to teaching other plastic surgeons.

Dr. Lee also directs a clinical research group, where he is interested in complex microsurgical reconstructions, clinical outcomes as well basic science investigations into biomaterials, muscle stem cells, adipocyte stem cells, and composite tissue allotransplantation (CTA). As the residency program director, Dr. Lee is responsible for educating and training the next generation of plastic surgeons. He has worked with medical students, residents, and post-doc research fellows on study design, project development, scientific writing, podium presentations, and peer-reviewed publications. Studying clinical outcomes and being on the frontier of scientific discovery allows Dr. Lee to find better ways to improve patient care and to provide the highest quality surgical procedures to his patients.

As a further testimony to his knowledge, experience, and expertise, Dr. Lee serves on several peer-reviewed scientific journals, which include being the Associate Editor for the Annals of Plastic Surgery Journal's Microsurgery Section, as well as serving on the editorial board for the Microsurgery Journal. Dr. Lee also reviews articles for Plastic and Reconstructive Surgery, and Head and Neck journals. Dr. Lee is Board Certified by the American Board of Plastic Surgery, Inc. and is an active member of the American Society of Plastic Surgeons (ASPS), the American Association of Plastic Surgeons (AAPS), the American Society for Reconstructive Microsurgery (ASRM), California Society of Plastic Surgeons (CSPS) and the American Council of Academic Plastic Surgeons (ACAPS). Dr. Lee serves on several national committees including the

AAPS Scientific Program Committee, CSPS Program Committee, ASPS Health Policy and Advocacy Committee, In-Service Exam Writing Committee, Instructional Course Committee, Symposia Committee, and ACAPS Education Committee.

B. Positions and Honors

Positions and Employment

August 2004-July 2006	Assistant Professor, Chief of Microsurgery, Department of Surgery Division of Plastic & Reconstructive Surgery, Texas A&M University Health Science Center, The Scott & White Clinic, Temple, Texas
August 2006-Present	Assistant Professor, Director of Microsurgery, Department of Surgery Division of Plastic & Reconstructive Surgery, Stanford University School of Medicine, Stanford, California
August 2008-Present	Program Director, Plastic Surgery Residency, Stanford University School of Medicine

Other Experience and Professional Memberships

2007- Editorial Board, Microsurgery Journal
2007- Editorial Board, Annals of Plastic Surgery Journal
2007- Reviewer, Plastic and Reconstructive Surgery Journal
2007- Education Committee, Association of Academic Chairs of Plastic Surgery
2007- American Society of Plastic Surgeons, Product Advisory Committee
2007- American Society of Plastic Surgeons Health Policy Committee
2007- American Society of Plastic Surgeons, Plastic Surgery Educational Foundation Symposia Committee
2008- Active Member, California Society of Plastic Surgeons
2008- Founding Member, American Society for Reconstructive Transplant Surgery
2008- American Society of Plastic Surgeons In-Service Training Examination, Comprehensive Section
2008- American Society of Plastic Surgeons Instructional Course Committee
2009- Active Member, American Society for Reconstructive Microsurgery
2009- Active Member, Association of Academic Chairmen in Plastic Surgery
2009- Associate Editor, Hand & Microsurgery Section, Annals of Plastic Surgery Journal
2009- American Society of Plastic Surgeons Instructional Course Sub-Committee Chair for General Reconstruction
2010- Fellow, American College of Surgeons
2010- Reviewer, Head and Neck Journal
2010- Scientific Program Committee, American Society for Reconstructive Microsurgery
2011- Active Fellow, American Association of Plastic Surgeons

Honors

2003 Baronio Scholar, Plastic Surgery Research Council
2008 Leslie Hovey Teacher of the Year Award, Stanford Plastic & Reconstructive Surgery
2009 "Guide to American's Top Surgeons" Consumer's Research Council of America
2009 Resident Competition – Best Paper Award, Senior Author and Principle Investigator Surgery, California Society of Plastic Surgeons Annual Meeting
2009 Leslie Hovey Teacher of the Year Award, Stanford Plastic & Reconstructive Surgery
2011 Leslie Hovey Teacher of the Year Award, Stanford Plastic & Reconstructive Surgery
2012 Henry J. Kaiser Award for Excellence in Clinical Teaching, Stanford School of Medicine

C. Selected Peer-reviewed Publications

1. Fox PM and **Lee GK**. Tissue expander with acellular dermal matrix for breast reconstruction infected by an unusual pathogen: Candida parapsilosis, Journal of Plastic Reconstructive and Aesthetic Surgery, May 24, 2012. [Epub ahead of print]

2. Gaster RS, Bhatt KA, Shelton AA, and **Lee GK**. Free Transverse Rectus Abdominis Myocutaneous Flap Reconstruction of a Massive Lumbosacral Defect Using Superior Gluteal Artery Perforator Vessels, Microsurgery, 32(5):388-92, 2012.
3. Endress R, Choi S, and **Lee GK.** Use of Fetal Bovine Acellular Dermal Xenograft with Tissue Expansion for Staged Breast Reconstruction, Annals of Plastic Surgery, 68(4):338-41, 2012.
4. Fox P, and **Lee GK.** Supercharged Free Fibula Flap for Complex Ankle Arthrodesis: A Case Report, Annals of Plastic Surgery, 68(4):342-5, 2012.
5. **Lee GK**, Yamin F, and Ho OH. Vertical Island Trapezius Myocutaneous Flap for Cervical Esophagoplasty, Annals of Plastic Surgery, 68(4):362-5.
6. Satterwhite T, Miri S, Chung C, Spain D, Lorenz HP, and **Lee GK**. Outcomes of Complex Abdominal Herniorraphy: Experience with 106 Cases, Annals of Plastic Surgery, 68(4):382-8, 2012.
7. Chung CK, Hernandez-Boussard T, and **Lee GK**. "Phantom" Publications Among Plastic Surgery Residency Applicants, Annals of Plastic Surgery, 68(4):391-5.
8. Momeni A, Kattan A, and **Lee GK**. Is Microsurgical Head and Neck Reconstruction Profitable? Analysis at an Academic Medical Center, Annals of Plastic Surgery, 68(4):401-3, 2012.
9. Noland SS and **Lee GK**. Plastic Surgery Residency Graduate Outcomes: A 43-year Experience at a Single Institution and the First "Integrated" Training Program in the United States, Annals of Plastic Surgery, 68(4):404-9 2012.
10. Lesavoy MA, **Lee GK**, Fan K, and Dickinson B. Split, Temporalis Muscle Flap for Repair of Recalcitrant Cerebrospinal Fluid Leaks of the Anterior Cranial Fossa, Journal of Craniofacial Surgery, March 14, 2012. [Epub ahead of print]
11. Satterwhite T, Son J, Carey J, Zeidler K, Son J, Bari S, Gurtner G, Chang J, and **Lee GK**. Microsurgery Education in Residency Training: Validating an On-Line Curriculum, Annals of Plastic Surgery, 68(4):410-4, 2012.
12. Carey JN, Watt AJ, Ho O, Zeidler K, and **Lee GK**. Free Flap Scalp Reconstruction in a 91-Year-Old Patient under Local-Regional Anesthesia: Case Report and Review of the Literature. Journal of Reconstructive Microsurgery, 2012 Jan 24. [Epub ahead of print]
13. Momeni A, Ahdoot MA, Kim RY, Leroux E, Galaiya DJ, and **Lee GK**. Should we continue to consider obesity a relative contraindication for autologous microsurgical breast reconstruction? Journal of Plastic, Reconstructive & Aesthetic Surgery, 65(4):420-425, 2012.
14. Satterwhite TS, Miri S, Chung C, Spain DA, Lorenz HP, **Lee GK**. Abdominal wall reconstruction with dual layer cross-linked porcine dermal xenograft: The "Pork Sandwich" herniorraphy, Journal of Plastic, Reconstructive, and Aesthetic Surgery, Oct 13, 2011. [Epub ahead of print].
15. Momeni A, Kim R, Kattan A, Lee T, Tennefoss J, and **Lee GK**. The Effect of Preoperative Radiotherapy on Complication Rate after Microsurgical Head and Neck Reconstruction, Journal of Plastic, Reconstructive, and Aesthetic Surgery, 64(11):1454-9, 2011. [Epub ahead of print].
16. Garza R, **Lee GK**, and Press B. Tarsal Ectropion Repair and Lower Blepharoplasty: A Case Report and Review of Literature, Journal of Plastic, Reconstructive, and Aesthetic Surgery, July 15, 2011 [Epub ahead of print].
17. Minear S, **Lee GK**, Kahn D, and Goodman S. Arthrodesis Using Pedicled Fibula Flap After Failed Infected Knee Arthroplasty, Accepted for publication in ePlasty on July 11, 2011, Manuscript # EPLASTY-D-11-00036.
18. Davis D, and **Lee GK**. The Use of Standardized Patients in Plastic Surgery Residency Curriculum: Teaching Core Competencies with Objective Structured Clinical Examinations, Plastic and Reconstructive Surgery, 128(1):291-8, 2011.
19. Chung C, Richards T, and **Lee GK.** Micro-seed Grant Funding for Residents: Fostering Academic Productivity in Plastic Surgery, Plastic and Reconstructive Surgery Journal, July 128(1):43e-4e, 2011.

20. Ramasubramanian A, Shiigi S, **Lee GK**, and Yang F. Non-viral Delivery of Inductive and Suppressive Genes to Adipose-Derived Stem Cells for Osteogenic Differentiation, Accepted for publication, Pharmaceutical Research, 28(6):1328-37, 2011.
21. Barzin A, Hernandez-Boussard T, **Lee GK**, and Curtin C. "Adverse Events Following Digital Replantation in the Elderly", Journal of Hand Surgery, 36(5):870-4, 2011.
22. Noland SS, Ingraham JM, and **Lee GK**. The Sternocleidomastoid Myocutaneous "Patch Esophagoplasty" for Cervical Esophageal Stricture, Microsurgery Journal, 31(4):318-22, 2011.
23. Momeni A, and **Lee GK.** A Case of Intraoperative Venous Congestion of the Entire DIEP-Flap: A Novel Salvage Technique and Review of the Literature, Microsurgery Journal, 30:443-6, 2010.
24. Rosing J, Momeni A, Kamperman K, Kahn D, Gurtner G, and **Lee GK**. Effectiveness of the Asteame Nipple Guard in Maintaining Projection Following Nipple Reconstruction: A Prospective Randomised Controlled Trial, Journal of Plastic Reconstructive and Aesthetic Surgery, 63(10):1592-6, 2010.
25. Lee D, and **Lee GK**. Cold Ischemia in Microvascular Breast Reconstruction, Microsurgery Journal, 30(5):361-7, 2010.
26. Timek E, Gurtner G, and **Lee GK**. Supercharged Reverse Pedicle Anterolateral Thigh Flap in Reconstruction of a Massive Defect: A Case Report, Microsurgery Journal, 30(5):397-400, 2010.
27. Barzin A, Norton JA, Whyte R, and **Lee GK**. Supercharged Jejunum Flap for Total Esophageal Reconstruction: Single Surgeon 3-Year Experience and Outcomes Analysis, Plastic and Reconstructive Surgery Journal, 127(1):173-80, 2010.
28. Lee D, and **Lee GK.** Transverse Singapore Flap for Reconstruction of Congenital Rectovaginal Fistula in an 18-Month Old Infant, Annals of Plastic Surgery, Annals of Plastic Surgery, 63(6):650-653, 2009.
29. Thorfinn J, Saber S, Angelidis IK, Ki SH, Zhang AY, Chong AK, Pham HM, **Lee GK**, and Chang J. Flexor Tendon Tissue Engineering: The Temporal Distribution of Donor Tenocytes Versus Recipient Cells, Plastic and Reconstructive Surgery, 124(6):2019-26, 2009.
30. **Lee GK**, Lim A, and Bird ET. A Novel Single-Flap Technique for Total Penile Reconstruction: The Pedicled Anterolateral Thigh Flap, Plastic and Reconstructive Surgery, 24(1):163-6, 2009.
31. **Lee GK**, Harvesting of Forearm Perforator Flaps Based on Intraoperative Vascular Exploration: Clinical Experiences and Literature Review: Invited Discussion, Microsurgery, 28(5):331-332, 2008.
32. Motwani SB, Strom EA, Schecter NR, Butler CE, **Lee GK**, Langstein HL, Kronowitz SJ, Meric-Bernstam F, Ibrahim NK, Bucholz TA. The Impact of Immediate Breast Reconstruction on the Technical Delivery of Postmastectomy Radiotherapy, International Journal of Radiation Oncology Biology Physics, 66(1):76-82, 2006.
33. Krieger LK, and **Lee GK**. The Economics of Plastic Surgery: Trends in Income, Procedure Mix, and Volume. Plastic and Reconstructive Surgery, 114(1):192-9, 2004.

D. Research Support

1. Blended Education Tchnology Grant for Proposal for Plastic Surgery Core Course Teaching, Innovation in Teaching and Researching Online Courses Grant, Center for Teaching and Learning, Stanford University, 2012-13.
2. Plastic Surgery Foundation Grant. Validating a Web-based Microsurgery Curriculum. Principal Investigator. Co-Investigator: Thomas Satterwhite, 2012-2013.
3. Stanford Mini-Grant. Headcam Mini-DV Camcorders for Plastic Surgery Residents. PI. 2010-2011.
4. Stanford Mini-Grant. Evaluating ACGME Core Competencies with OSCEs. PI. 2010-2011.
5. Stanford MedScholars, "Long-Term Outcomes in Head and Neck Oncologic Reconstructions," PI: Gordon Lee, MD. Student advisee: Ahlia Kattan, MS2 (Funding period June 2010-January 2011).

6. Stanford MedScholars, “Intraoperative Evaluation of Microvascular Anastomoses with Indocyanine Green Dye Fluorescence Videoangiography” (Proposal #10613), Principal Investigator: Gordon Lee, MD. Student advisee: Mani Foroohar, MS5 (Funding period January 2010-June 2010).
7. Stanford MedScholars, “Timing of soft tissue coverage after open fractures.” (Proposal #10596) PI: Gordon Lee, MD. Student advisee: Carlos Uquillas, MS4 (Funding period January 2010-June 2010).
8. America Hernia Association Grant, “Complex Abdominal Wall Reconstruction Using Bioprosthetic Materials and Component Separation: The Sandwich Herniorraphy,” 2009-2010.