Michael T. Longaker, M.D., M.B.A., FACS

Deane P. and Louise Mitchell Professor and Vice Chair
Co Director, Stanford Institute for Stem Cell Biology and Regenerative Medicine
Director, Children's Surgical Research
Director, Program in Regenerative Medicine
Professor, by Courtesy, of Bioengineering
Professor, by Courtesy, Department of Materials Science and Engineering
Director, Human Health Initiative
Stanford University School of Medicine
Lucile Salter Packard Children's Hospital

Michael T. Longaker earned his undergraduate degree at Michigan State University, (where he played varsity basketball and was a member of the 1979 NCAA Men's Basketball Championship Team) and his medical degree at Harvard Medical School. He completed his surgical residency at the University of California, San Francisco, a residency in Plastic Surgery at NYU and a craniofacial fellowship at UCLA. The majority of his research training took place while he was a Post Doctoral Research Fellow in the Fetal Treatment Program under Dr. Michael Harrison and in the laboratory of Dr. Michael Banda in Radiobiology, both at UCSF. In December 2003, Dr. Longaker earned his M.B.A. from University of California – Berkeley and Columbia University, in the inaugural class of their combined program. He was elected into Beta Gamma Sigma at Columbia Business School, which is the analogous to Phi Beta Kappa for business programs

Dr. Longaker joined the Stanford University School of Medicine on September 1, 2000, as Director of Children's Surgical Research in the Department of Surgery, Division of Plastic and Reconstructive Surgery and the Lucile Salter Packard Children's Hospital. In 2003, he was named the *Deane P. and Louise Mitchell Professor*. As Director of Children's Surgical Research, Dr. Longaker has the responsibility to develop a children's surgical research program in the broad areas of developmental biology, epithelial biology and tissue repair, and tissue engineering. Further, Dr. Longaker is the Deputy Director of the Stanford Institute of Stem Cell Biology & Regenerative Medicine, Director of the Program in Regenerative Medicine, Director of Research, Division of Plastic and Reconstructive Surgery, and has been name Professor, by Courtesy, in the Department of Bioengineering. Dr. Longaker is Vice Chair of the Department of Surgery. He is also the Faculty Co-Chair for the Stanford University Initiative on Human Health.

Michael Longaker's extensive research experience includes the cellular and molecular biology of extracellular matrix with specific applications to the differences between fetal and post-natal wound healing, the biology of keloids and hypertrophic scars and the cellular and molecular events that surround distraction osteogenesis with respect to craniofacial development. Most recently, his research has focused on multipotent mesenchymal cells derived from adipose tissue and their applications for tissue repair, replacement and regeneration. He brings to Stanford his unique understanding of wound healing, fetal wound healing research, developmental biology and tissue engineering.

Dr. Longaker is a member of all the major academic surgery societies and was president of the Society of University Surgeons (2007-08) and the Plastic Surgery Research Council (2006-07). He is one of a handful of surgeons elected into the American Society for Clinical Investigation, Association of Physicians, and the prestigious Institute of Medicine of the National Academies. To date, he has over 1040 publications and numerous federal grants to support his research.