

PRS KOREA 2025

November 9(Sun) ~ 11(Tue), 2025
Grand InterContinental Seoul Parnas Hotel



Curriculum Vitae

Personal Information		
Title (i.e. Pf., Dr., etc.)	Dr.	
Name (First name_Last Name)	Theodore Kung	
Degree (i.e. MD, Msc, PhD, etc.)	MD	
Country	USA	
Affiliation	University of Michigan	
Educational Background		
Dr Kung received his undergraduate and medical degrees from Case Western Reserve University in Cleveland, Ohio. He then completed an Integrated Plastic Surgery Residency at the University of Michigan. During his training, he spent a dedicated year as a Research Fellow with the UM Neuromuscular Laboratory under the guidance of Dr. Paul Cederna. Subsequently, he received subspecialty training as a Microsurgery Fellow at the University of Washington in Seattle.		
Professional Experience		
Dr. Kung is an Associate Professor of Plastic Surgery at the University of Michigan in Ann Arbor, Michigan. He serves as the co-Program Director of the Michigan Medicine Plastic Surgery Microsurgery Fellowship and the Director of the Lymphedema Surgery Program. Dr. Kung specializes in microsurgical reconstruction to address functional and aesthetic challenges following cancer surgery, extremity trauma, and nerve injury. His clinical practice includes autologous breast reconstruction, lymphedema surgery, neuroma surgery, and extremity salvage. Dr. Kung’s research was instrumental in the development of the Regenerative Peripheral Nerve Interface (RPNI) to facilitate intuitive prosthetic control, mitigate postamputation pain, and provide sensory feedback after limb loss. Additionally, Dr. Kung serves as the co-founder and Chief Medical Officer of Blue Arbor Technologies, a company that designs and manufactures implantable prosthetic interfaces to control advanced robotic limbs.		



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Professional Organizations

2008 – present	American Society of Plastic Surgeons
2012 – present	Plastic Surgery Research Council
2013 – present	American Society for Reconstructive Microsurgery
2017 – present	American Society for Peripheral Nerve
2021 – present	Plastic Surgery Lead, St. Joseph Mercy Chelsea Hospital
2022 – present	Mountain West Society of Plastic Surgeons
2024 – present	American Board of Plastic Surgery Oral Examiner

Main Scientific Publications

Vu PP, Vaskov AK, Irwin ZT, Henning PT, Lueders D, Laidlaw AT, Davis AJ, Nu CS, Gates DH, Gillespie RB, Kemp SWP, **Kung TA**, Chestek CA, Cederna PS. A regenerative peripheral nerve interface allows real-time control of an artificial hand in upper limb amputees. *Sci Transl Med.* 2020 Mar 4;12(533):eaay2857.

Kubiak CA, Kemp SWP, Cederna PS, **Kung TA**. Prophylactic Regenerative Peripheral Nerve Interfaces (RPNIs) to Prevent Postamputation Pain. *Plast Reconstr Surg.* 2019 Sep;144(3):421e-430e.

Vu PP, Lu CW, Vaskov AK, Gates DH, Gillespie RB, Kemp SW P, Patil PG, Chestek CA, Cederna PS, **Kung TA**: Restoration of Proprioceptive and Cutaneous Sensation Using Regenerative Peripheral Nerve Interfaces in Humans with Upper Limb Amputations. *Plast Reconstr Surg.* 149(6): 1149e-1154e, 06/2022. PM35404335

Mohanty AJ, Cederna PS, Kemp SW P, **Kung TA**: Prophylactic Regenerative Peripheral Nerve Interface (RPNI) Surgery in Pediatric Lower Limb Amputation Patients. *Ann Surg.* 05/2024. PM38716659

Lee JC, Kubiak CA, Best CS W, Hamill JB, Ki J, Kim HM, Roth RS, Kozlow JH, Tinney MJ, Geisser ME, Cederna PS, Kemp SW P, **Kung TA**: Regenerative Peripheral Nerve Interface Surgery to Treat Chronic Postamputation Pain: A Prospective Study in Major Lower Limb Amputation Patients. *Ann Surg Open.* 6(1): e535, 03/2025. PM40134500



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