

Michael Ray DeLong

200 Medical Plaza Dr.
Los Angeles, CA 90095

Education

UCLA Residency Plastic and Reconstructive Surgery 2014-2021

MD Duke University School of Medicine 2010-2014

BA University of California at Berkeley 2006-2010

Major: Molecular and Cell Biology – Neurobiology; **Minor:** Chemistry

Grants and Funding

Total \$880,440

Investigation of Subclinical Infection in Breast Implant Capsular Contracture
Combined Pilot Research Grants - Plastic Surgery Foundation,
7/2016-6/2018
Role: Principal Investigator

\$9,940

Blood Siloxanes and Urinary Methylsilanols to Detect Ruptured Silicone Implants
National Endowment for Plastic Surgery - Plastic Surgery Foundation,
7/2017-6/2019
Role: Principal Investigator

\$50,000

Silicone Toxicity and Auto-immune Disease in Breast Implant Patients
Directed Research Grant - Plastic Surgery Foundation,
7/2019-6/2021
Role: Principal Investigator

\$50,000

Silicone Toxicity and Auto-immune Disease in Breast Implant Patients
Intramural Donor Grant,
9/2019-8/2021
Role: Principal Investigator

\$37,500

Synthetic Polypeptide Hydrogels as Next Generation Dermal Fillers
UCLA Innovation – Med Tech Challenge,
7/2019 -
Role: Co-PI

\$100,000

Synthetic Polypeptide Hydrogels as Next Generation Dermal Fillers
UCLA Innovation Fund Winner,
1/2021 -
Role: Co-PI

\$200,000

Randomized Feasibility Trial for Mesh in Pre-Pectoral Reconstruction
NIH/NCI R21 CA263455-01,
4/1/2022 – 3/31/2024
Role: Principal Investigator

Indirect \$433,000

Professional Positions

2018-2019 - FDA Senior Staff Fellow in Division of Surgical Devices

2018-2019 – Member – ASPS Annual Meeting Educational Program Committee, Breast

2019-2022 – Member – PSRC Tech Committee

2019-2022 – Member – ASPS Emerging Trends Subcommittee

2019-2021 – Member – ASPS Clinical Registries Committee

2019-2022 – Member – ASPS Clinical Research Subcommittee

2019-2021 – Reviewer – Plastic Surgery Foundation Clinical Study Section
 2019- – Lecturer - UCLA Biodesign Program
 2019- – Special Government Employee, FDA Center for Devices and Radiological Health
 2020-2021 – Fellow – UCLA Biodesign Accelerator Track
 2020- – Member – ASPS BIA-ALCL Subcommittee
 2020 – Mentor – PSF Grant Mentoring Session
 2020- – Member – ASPS Regenerative Medicine Committee
 2021- – Member – ASPS Evidence Based Medicine Working Group

Peer-Reviewed Publications	h-Index 9
1. Deeken G, Dorfman R, DeLong M , Roostaeian J. The Beauty Pandemic: An Analysis of Cosmetic and Plastic Surgery Demand in Conjunction with the COVID-19 Quarantine of 2020. <i>Annals of Plastic and Aesthetic Surgery</i> . 2021.	
2. Dorfman R, Gupta N, Saadat S, DeLong M , Roostaeian J. Gluteal Shape Framework for Augmentation Surgery: A Systematic Review of the Literature and Proposed Novel Classification System. <i>Plastic and Reconstructive Surgery Journal</i> (In Press)	
3. DeLong M , Chang I, Farajzadeh M, Nahabet E, Roostaeian J, Festekjian J, Rough J, Da Lio A. Reply: The Central Mound Pedicle: A Safe and Effective Technique for Reduction Mammoplasty. <i>Plastic and Reconstructive Surgery Journal</i> . (In Press)	
4. Bertrand A, DeLong M , Chandawarkar A, Robinson C. The Development & Commercialization of Medical Technologies. <i>Aesthetic Surgery Journal</i> . 2021. 12:NP2020-2029. PMID: 33438011	
5. DeLong M , Tandon V, Bertrand A, MacEachern M, Goldberg M, Salibian A, Pusic A, Festekjian J, Wilkins E. Review of Outcomes in Pre-pectoral Breast Reconstruction with and without Surgical Mesh Assistance. <i>Plastic and Reconstructive Surgery Journal</i> . 2021. 147:305-315. PMID: 33177453	
6. DeLong M , Chang I, Farajzadeh M, Nahabet E, Roostaeian J, Festekjian J, Rough J, Da Lio A. The Central Mound Pedicle: A Safe and Effective Technique for Reduction Mammoplasty. <i>Plastic and Reconstructive Surgery Journal</i> . 2020, 146:725-733. PMID: 32590526.	
7. DeLong M , Tandon V, Da Lio A, Deming T, Cederna P. Overview of Host Defense Peptides and Their Applications for Plastic and Reconstructive Surgeons. <i>Plastic and Reconstructive Surgery Journal</i> . 2020. 146:91-103. PMID: 32590651.	
8. DeLong M , Tandon V, Farajzadeh M, Berlin N, MacEachern M, Rudkin G, Da Lio A, Cederna P. Systematic Review of the Impact of Acellular Dermal Matrix on Aesthetics and Patient Satisfaction in Tissue Expander to Implant Breast Reconstructions. <i>Plastic and Reconstructive Surgery Journal</i> . 2019. 144:967e-974e. PMID: 31764630.	
9. DeLong M , Gandolfi B, Barr M, Datta N, Willson T, Jarrahy R. Intraoperative Image-Guided Navigation in Craniofacial Surgery: Review and Grading of the Current Literature. <i>Journal of Craniofacial Surgery</i> . 2019. 30:465-72. PMID: 30640846.	
10. Tandon V, DeLong M , Ballard T, Clemens M, Brandt K, Kenkel J, Cederna P. Evolving Trends in Textured Implant Use for Cosmetic Augmentation in the United States. <i>Plastic and Reconstructive Surgery Journal</i> . 2018. (142), 6:1456-61. PMID: 30489517.	
11. DeLong M , Rubayi S. Staged Ablation and Complex Reconstruction of Extensive Perineal Hidradenitis Suppurativa. <i>Clinics in Surgery</i> . 2018. 3:2040.	
12. Pfaff M, Morrison S, Rezzadeh K, Januszyk M, DeLong M , Lee J, Rudkin G. Evaluation of the Integrated Plastic and Reconstructive Surgery Prerequisite Core Surgical Training Experience: A Resident's Perspective. <i>Annals of Plastic Surgery</i> . 2018. PMID: 30059386.	

13. **DeLong M**, Tandon V, Rudkin G, Da Lio A. Latissimus Dorsi Flap Breast Reconstruction-A Nationwide Inpatient Sample. *Annals of Plastic Surgery*. 2017. (78), 5S4:S185-8. PMID: 28346311.
14. **DeLong M**, Hughes D, Gaca J, Fischer J, Bond J, Hargrove W, Atluri P, Levin L, Erdmann D. Sternal Talon® Offers a Solution for Secondary Sternum Osteosynthesis in Patients with Non-union. *Annals of Thoracic Surgery*. 2014. (98), 5:1804-8. PMID: 25240779.
15. **DeLong M**, Kokosis G, Erdmann D. Breast Reduction in a Patient with Gorham-Stout Vanishing Bone Syndrome. *Plastic and Reconstructive Surgery Journal – Global Open*. 2014. (2), 7:e181 PMID: 25426364
16. **DeLong M**, Hughes D, Choi B, Zenn M. Reply: Factors Influencing Fellowship Selection, Career Trajectory, and Academic Productivity among Plastic Surgeons. *Plastic and Reconstructive Surgery Journal*. 2014. (134), 4:667e-668e PMID: 25357070
17. **DeLong M**, Huang K, Gallis J, Parente B, Hickey P, Turner D, Lad S. Effect of Advancing Age on Outcomes of Deep Brain Stimulation for Parkinson’s Disease. *JAMA Neurology*. 2014. (71), 10;1290-5. PMID: 25155481.
18. **DeLong M**, Hughes D, Bond J, Thomas S, Boll D, Zenn M. A Detailed Evaluation of the Anatomic Variations of the Profunda Artery Perforator (PAP) Flap Using Computed Tomography Angiograms. *Plastic and Reconstructive Surgery Journal*. 2014. (134), 2:186e-192e. PMID: 25068339.
19. **DeLong M**, Hughes D, Tandon V, Choi B, Zenn M. Factors Influencing Fellowship Selection, Career Trajectory, and Academic Productivity among Plastic Surgeons. *Plastic and Reconstructive Surgery Journal*. 2014, (133), 3;730-6. PMID: 24572862.
20. Choi B, **DeLong M**, DeLong D, Friedman A, Sampson J. The impact of PhD training on scholarship in a neurosurgical career. *Journal of Neurosurgery*. 2014, (120), 3;730-5 PMID: 24359004.
21. Choi B, **DeLong M**, Sampson J. Response. *Journal of Neurosurgery*. 2014, (120), 3;728-9. PMID: 24724172.
22. Rabbani Z.N, Mi J, Zhang Y, **DeLong M**, Jackson I.L., Fleckenstein K, Salahuddin F.K., Zhang X, Clary B, Anscher M.S., and Vujaskovic Z. Hypoxia Inducible Factor 1 α Signaling in Fractionated Radiation-Induced Lung Injury: Role of Oxidative Stress and Tissue Hypoxia. *Radiation Research*. 2010, (173), 2:165-174. PMID: 20095848

Invited Presentations

1. **DeLong M**. FDA Presentation of BII from the PAS. *Presented at the FDA General and Plastic Surgery Advisory Committee Meeting*. March 25, 2019.
2. **DeLong M**. The Use of Surgical Mesh in Breast Reconstruction and Mastopexy - Clinical Overview. *Presented at the FDA General and Plastic Surgery Advisory Committee Meeting*. March 26, 2019.

Abstracts and Presentations

1. Dorfman R, Gupta N, Saadat S, **DeLong M**, Roostaeian J. Gluteal Augmentation and Size Classification: A Systematic Review of the Literature and Proposed Guidelines for a Standardized System (Presentation ASPS 2021)
2. **DeLong M**, Tandon V, Bertrand A, MacEachern M, Goldberg M, Salibian A, Pusic A, Festekjian J, Wilkins E. Review of Outcomes in Pre-Pectoral Prosthetic Breast Reconstruction with and without Surgical Mesh Assistance (vPresentation ASPS 2020)

3. Tandon V, **DeLong M**, Bertrand A, MacEachern M, Goldberg M, Salibian A, Pusic A, Festekjian J, Wilkins E. Systematic Review of the Complication Rates for Pre-Pectoral Prosthetic Breast Reconstruction Based on Mesh Type. (vPresentation ASPS 2020)
4. Farajzadeh M, Chang I, **DeLong M**, Reid C, Da Lio A. The Role of Additional Senior Level Surgeons for DIEP Free-Flap Breast Reconstruction Cases. (E-Poster ASRM 2020)
5. **DeLong M**, Chang I, Handel N, Tseng C, Roostaeian J, Festekjian J, Crisera C, Da Lio A, Rudkin G. Investigation of the Bacterial Diversity of Capsular Contracture in Cosmetic Augmentation. (Podium ASPS 2018)
6. Tandon V, **DeLong M**, Farajzadeh M, Berlin N, MacEachern M, Rudkin G, Da Lio A, Cederna P. Systematic Review of the Aesthetic Benefits of Acellular Dermal Matrix in Tissue Expander to Implant Breast Reconstruction. (Podium ASPS 2018)
7. Tandon V, **DeLong M**, Ballard T, Clemens M, Brandt K, Kenkel J, Cederna P. Evolving Trends in Textured Implant Usage for Cosmetic Augmentation in the United States. (Podium MAPS 2018)
8. Gandolfi B, Barr M, **DeLong M**, Datta N, Willson T, Ozaki W, Jarrahy R. Image Guided Navigation in Craniofacial Surgery: A Systemic Review and Grading of the Literature. (Poster ISCSF 2017)
9. Farias-Eisner G, Kwon I, Yoon A, **DeLong M**, Gassman A, Rahman S, Crisera C, Da Lio A, Roostaeian J, Tseng C, Festekjian J. The Use of Liposomal Bupivacaine in Patients Undergoing Abdominally-Based Autologous and Implant-Based Breast Reconstruction. (Podium AAPS 2017)
10. **DeLong M**, Tandon VJ, Da Lio AL. Exploration of the Variations of the Latissimus Dorsi Flap for Breast Reconstruction. (Podium CSPA 2016)
11. Hickey PT, **DeLong M**, Huang KT, Gallis J, Parente B, Turner DA, Lad SP. Impact of advancing age on outcomes of deep brain stimulation for Parkinson's disease [abstract]. *Movement Disorders* 2015;30 Suppl 1 :569
12. **DeLong M**, Hughes D, Blau J, Hollenbeck S. Publication Bias and the Under-Reporting of Complications in the Literature; Have We Dug Our Own Pay-for-Performance Grave? (Podium ASPS 2014)
13. **DeLong M**, Hughes D, Tandon V, Choi B, Zenn M. Factors Influencing Fellowship Selection, Career Trajectory, and Academic Productivity among Plastic Surgeons. (Podium ASPS 2014)
14. Hughes D, **DeLong M**, Gaca J, Levin LS, Erdmann D. Sternal Talon Offers a Solution for Secondary Sternum Osteosynthesis in Patients with Non-Union. (Poster SESPRS 2014)
15. **DeLong M**, Halvorson K, Gallis J, Muh C, Lad S, Marcus J. Impact of Age and Operation on Adverse Events after Craniostylosis Repair. (Podium ACPA 2014)
16. Hughes D, **DeLong M**, Thomas S, Boll D, Zenn M. Descriptive Vascular Anatomy of the Profunda Artery Perforator Flap. (Podium ASRM 2014)
17. **DeLong M**, Huang K, Gallis J, Lokhnygina Y, Parente B, Hickey P, Turner D, Lad S. Impact of Advancing Age on Complications following Deep Brain Stimulation (DBS) Surgery for Parkinson's Disease. (Podium NANS 2013)
18. **DeLong M**. BiSpecific T Cell Engager (BiTE) Therapy for Malignant Glioblastoma Multiforme in a Novel Transgenic Preclinical Murine Model. *Presented at Duke AOA Day 8-9-2013*

Textbook Chapters

1. **DeLong M**, Roostaeian J, Adams W. "Proactive Approach to Capsular Contracture Prevention" in Gabriel, Nahabedian, Maxell, and Storm (edr), *Spear's Surgery of the Breast: Principles and Art 4e*, Wolters Kluwer Health. 2020
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Awards and Honors

2006 - National Merit Scholar

2013 - Duke University Obstetrics and Gynecology Scholar Award

2017, 2018, 2020 - Highest Plastic Surgery In-Service Exam Score (All years taken)

2018 - July/August Plastic Surgery News Research Spotlight

2019 – PSF Bernard G. Sarnat Excellence in Grant Writing Award

2020 – Olive View Medical Center Patient Safety Great Catch

2020 – PSRC, PRS Paper of the Month, October 2020

2021 – PRS Best Paper Award for 2020 – Breast

Reviewer Positions

Ad Hoc Reviewer - *Plastic and Reconstructive Surgery Journal*

Ad Hoc Reviewer - *Plastic and Reconstructive Surgery Journal - Global Open*

Ad Hoc Reviewer – *Aesthetic Surgery Journal*

Editorial Board, Research - *Annals of Plastic Surgery*