

PAUL MITTERMILLER

WORK EXPERIENCES

5/2023-current **Align Surgical Associates, Inc.**

- Practicing plastic surgery, focusing on gender-affirming facial surgery (facial feminization surgery, facial masculinization surgery)

9/2021-4/2023 **Del Rey MD / Del Rey Face (Independent contractor)**

- Practiced plastic surgery, focusing on gender-affirming surgery (facial feminization surgery, facial masculinization surgery, body contouring, breast augmentation), functional rhinoplasty, and cosmetic surgery
- Assisted Dr. Kyle Keojampa during facial feminization surgeries

2/2022-9/2022 **Flagstaff Medical Center (Locum tenens)**

- Level I trauma center and major regional hospital for northern Arizona
- Covering plastic surgery call for facial trauma, hand trauma, and general plastic surgery

EDUCATION AND TRAINING

2020-2021 **New York University**
Craniofacial Surgery Fellowship

2013-2020 **Stanford University**
Plastic and Reconstructive Surgery Residency

2009-2013 **UCSF School of Medicine**
MD, Distinction in Clinical and Translational Research

2004-2008 **Yale University**
BS, Biomedical Engineering, *cum laude*, Honors in Biomedical Engineering

HONORS AND AWARDS

2020 PRS Global Open award for exemplary peer review of manuscripts
2019 “Best Pediatric/Craniofacial Paper” of 2018 in *Plastic and Reconstructive Surgery* for the article “Anatomic nasal lining flaps for closure of the nasal floor in unilateral and bilateral cleft lip repairs reduce fistulas at the alveolus”
2019 Minami travel funds awarded to learn and teach cosmetic surgery in Vietnam
2018 December “Image of the Month” in *Plastic and Reconstructive Surgery*
2018 Zedplast Travel Scholarship to observe Dr. Reinisch perform polyethylene ear reconstruction
2017 Laub Fellowship Award to learn and teach reconstructive plastic surgery in Zimbabwe
2012 Oral & Maxillofacial Surgery Foundation Student Research Award
2010 UCSF Dean’s Summer Fellowship
2010 Full scholarship to The Healing Art of Writing workshop at Dominican University
2008-2009 Congress-Bundestag Youth Exchange scholarship to study at the Technical University of Munich and conduct research at the German Aerospace Center in Germany
2004 Eagle Scout

JOURNAL ARTICLES (PEER-REVIEWED)

1. Rochlin DH, **Mittermiller PA**, DeMitchell-Rodriguez E, Weiss H, Dastagirzada Y, Patel V, Hagiwara M, Flores R, Sen C, Staffenberg DA. Reconstructive Approaches Following Sphenoorbital Meningioma Resection. *The Journal of Craniofacial Surgery*. 2022 (Ahead of print)
2. DeMitchell-Rodriguez EM, **Mittermiller PA**, Avinoam SP, Staffenberg DA, Rodriguez ED, Shetye PR, Flores RL. Clinical Outcomes in Orthognathic Surgery for Craniofacial Microsomia Following

Mandibular Distraction Using CBCT Analysis: A Retrospective Study. *The Cleft Palate-Craniofacial Journal*. 2022 (Published first online)

3. **Mittermiller PA**, Flores RL, Staffenberg DA. Craniosynostosis: Le Fort III Distraction Osteogenesis. *Clinics in Plastic Surgery*, 2021;48(3):473-485
4. **Mittermiller PA** and Staffenberg DA. Ian Jackson's Sphincter Pharyngoplasty. *The Journal of Craniofacial Surgery*, 2021;32(35): 1239-1241
5. Haeberle A, Alkofahi H, Qiao J, Safer DL, **Mittermiller PA**, Menorca R, Trickey AW, Girod S. Body Image Disturbance and OCD Symptoms Improve after Orthognathic Surgery. *Journal of Oral and Maxillofacial Surgery*, 2020;78(11): 2054-2060
6. **Mittermiller PA**, Rochlin DH, Menard RM. Endoscopic Spring-Mediated Distraction for Unilambdoid Craniosynostosis. *The Journal of Craniofacial Surgery*, 2020;31(7): 2097-2100
7. **Mittermiller PA**, Martin S, Johns DN, Perrault D, Jablonka EM, and Khosla RK. Improvements in Aesthetic Outcomes of Cleft Lip Repair with the Anatomic Subunit Repair in Comparison to the Rotation-advancement Repair. *Plastic and Reconstructive Surgery - Global Open*, 2020;8(6): e2919
8. Zhou JY, **Mittermiller PA**, Johannet P, and Curtin C. Acute Extensor Tenosynovitis due to Disseminated Gonococcal Infection. *Plastic and Reconstructive Surgery - Global Open*, 2019;7(9): e2432
9. Jablonka EM, Wu RT, **Mittermiller PA**, Gifford K, and Momeni A. 3-DIEPrinting: 3D-printed Models to Assist the Intramuscular Dissection in Abdominally Based Microsurgical Breast Reconstruction. *Plastic and Reconstructive Surgery - Global Open*, 2019;7(4): e2222-2224
10. **Mittermiller P**, Bidwell S, Thieringer F, Cornelius CP, Trickey A, Kontio R, Girod S, and the AO Trauma Classification Study Group. The Comprehensive AO CMF Classification System for Mandibular Fractures: A Multicenter Validation Study. *Craniofacial Trauma and Reconstruction*, 2019;12(4): 254-265
11. Rochlin DH, **Mittermiller PA**, Sheckter CC, and Menard RM. The Pushback Pharyngeal Flap: A 17-Year Experience. *Plastic and Reconstructive Surgery*, 2019;143(6): 1246e–1254e
12. Andrew, TW, Baylan, J, **Mittermiller, PA**, Cheng H, Johns DN, Edwards MSB, Cheshier SH, Grant GA, and Lorenz HP. Virtual Surgical Planning Decreases Operative Time for Isolated Single Suture and Multi-suture Craniosynostosis Repair. *Plastic and Reconstructive Surgery - Global Open*, 2018;6(12): e2038 1-7
13. **Mittermiller P**, Sethi H, Morbia RP, Johns D, Baylan J, Lorenz HP, and Khosla RK. Anatomic nasal lining flaps for closure of the nasal floor in unilateral and bilateral cleft lip repairs reduce fistulas at the alveolus. *Plastic and Reconstructive Surgery*, 2018;142(6): 1549-1556
14. Sheckter CC, **Mittermiller P**, Hung K, Maan Z, Rochlin D, and Menard RM. Single Stage Repair of #30 Facial Cleft with Bone Morphogenetic Protein. *Plastic and Reconstructive Surgery - Global Open*, 2018;6(11): e1937 1-3
15. **Mittermiller PA**, Yeom KW, and Menard RM. Isolated Intraorbital Frontosphenoidal Synostosis. *The Journal of Craniofacial Surgery*, 2018;29(1): 82-87
16. **Mittermiller PA**, Sheckter CC, and Most SP. Efficacy and safety of titanium miniplates for patients undergoing septorhinoplasty. *JAMA Facial Plastic Surgery*, 2018;20(1): 82-84

17. **Mittermiller P**, Nazerali R, Glaus S, Luan A, Perez M, and Lee GK. Delayed prosthetic breast reconstruction without the use of acellular dermal matrix. *European Journal of Plastic Surgery*, 2017;40(6): 533-540
18. Miri S, **Mittermiller P**, Buchanan EP, and Khosla R. Facial Twist (Asymmetry) in Isolated Unilateral Coronal Synostosis. *The Journal of Craniofacial Surgery*, 2015;26(3): 655-657.
19. Russell JR, Huang J, Anand P, Kucera K, Sandoval AG, Dantzler KW, Hickman D, Jee J, Kimovec FM, Koppstein D, Marks DH, **Mittermiller PA**, Núñez SJ, Santiago M, Townes MA, Vishnevetsky M, Williams NE, Vargas MPN, Boulanger L-A, Bascom-Slack C, and Strobel SA. Biodegradation of polyester polyurethane by endophytic fungi. *Applied and Environmental Microbiology*, 2011;77(17): 6076-6084
20. Cohen SR, Pryor L, **Mittermiller PA**, Meltzer HS, Levy ML, Broder KW, and Ozgur BM. Nonsyndromic Craniosynostosis: Current Treatment Options. *Plastic Surgical Nursing: Official Journal of the American Society of Plastic and Reconstructive Surgical Nurses*, 2008;28(2): 79-91
21. Cohen SR, **Mittermiller PA**, Holmes RE, and Broder KW. Clinical experience with a new fast-resorbing polymer for bone stabilization in craniofacial surgery. *The Journal of Craniofacial Surgery*, 2006;17(1): 40-43

BOOK CHAPTERS

1. **Mittermiller PA** and Staffenberg DA. Primary Surgical Repair for Unilateral Cleft Lip. In: Shetye PR, Gibson TL (Eds.) *Cleft and Craniofacial Orthodontics*, Wiley-Blackwell, 2023
2. **Mittermiller PA**, Rochlin DH, and Lorenz HP. Solitary Fibrous Hamartoma of Infancy. In: Krakowski AC (Ed.) *Pediatric Procedural Dermatology*, Wolters Kluwer; 2020: 392
3. **Mittermiller PA**, Sheckter CC, and Lorenz HP. Median Raphe Cyst. In: Krakowski AC (Ed.) *Pediatric Procedural Dermatology*, Wolters Kluwer; 2020: 337
4. **Mittermiller P**, Baylan J, Johns D, and Lorenz HP. Iliac Crest and Rib Bone Grafts. In: Evans G (Ed.), *Operative Plastic Surgery*, 2nd Ed. New York: Oxford University Press; 2019: 79-83
5. Rodrigues M, **Mittermiller PA**, Padmanabhan J, and Gurtner, GC. Progenitor and Stem Cell Heterogeneity: Using Big Data to Divide and Conquer. In: Atala A, Lanza R, Mikos T, and Nerem R (Eds.), *Principles of Regenerative Medicine*, 3rd Ed: Elsevier; 2017: 93-111
6. Niranjana, N, Fox, P, **Mittermiller P**, Lee G, Evans K, and Mushtaq I. Genitourinary and Perineal Reconstruction. In: Farhadieh R, Bulstrode N, and Cugno S (Eds.), *Plastic and Reconstructive Surgery: Approaches and Techniques*. Chichester, UK: John Wiley & Sons, Ltd.; 2015: 575-596
7. Cohen SR, **Mittermiller PA**, Meltzer HS, Levy ML, Broder KW, and Ozgur BM. Nonsyndromic Craniosynostosis: Current Treatment Options. In: Thaller S, Garri JI, and Bradley JP (Eds.) *Craniofacial Surgery*. New York: CRC Press; 2007: 83-102

ORAL PRESENTATIONS

1. **Mittermiller PA**, Rochlin D, Sheckter C, Martin S, Menard RM. Endoscopic Spring-Mediated Distraction for Unilateral Lambdoid Craniosynostosis. *The 18th Meeting of The International Society of Craniofacial Surgeons*. Paris, France, 9/16-19/2019 (To be presented by Dr. Robert Menard)
2. **Mittermiller P**, Bidwell S, Thieringer F, Cornelius CP, Trickey A, Kontio R, Bader M, Goetz P, Johns D, Smolka K, Mesimaki K, Moon S, Probst F, Qiao J, Snall J, Wilkmann T, and Girod S. The Comprehensive AO CMF Classification System for Mandibular Fractures: A Multicenter Validation

Study. *International Conference on Oral and Maxillofacial Surgery 2019*, Rio de Janeiro, Brazil, 5/23/2019 (Presented by Florian Thieringer)

3. **Mittermiller PA**, Rochlin D, Sheckter C, Martin S, Jablonka E, and Menard RM. Endoscopic Spring-Mediated Distraction for Unilambdoid Craniosynostosis. *Stanford Plastic Surgery 12th Annual Research Symposium*, Palo Alto, CA, 5/7/2019
4. Trotsyuk A, Bonham CA, Rodrigues M, **Mittermiller P**, Rajadas J, Inayathullah M, and Gurtner GC. Biomimetic Adipose Stem Cell Dressing for Skin Regeneration. *31st Annual Meeting of the Wound Healing Society*, San Antonio, TX, 5/8/2019. (Presented by Artem Trotsyuk)
5. Than P, Davis C, Rustad K, **Mittermiller P**, Findlay M, Liu W, Whittam A, Le T, Khong S, Ma K, Melcher M, Gurtner G. Microvascular Free Flaps as the Vascularized Foundation for Hepatic Tissue Engineering. *19th Annual State of the Art Winter Symposium of the American-Society-of-Transplant-Surgeons (ASTS)*, Miami, FL, 1/10-13/2019. (Presented by Dr. Than)
6. Baylan JM, Andrew T, **Mittermiller PA**, Johns DN, Lorenz HP. Virtual Surgical Planning Decreases Operative Time for Isolated Single Suture and Multi-Suture Craniosynostosis Repair. *California Society of Plastic Surgeons 68th Annual Meeting*, San Diego, CA, 5/17-20/2018 (Presented by Dr. Joseph Baylan)
7. **Mittermiller P**, Johns D, Baylan J, and Khosla RK. Improved aesthetic outcomes of cleft lip repair with the anatomic subunit repair in comparison to the rotation advancement repair. *California Society of Plastic Surgeons 68th Annual Meeting*, San Diego, CA, 5/18/2018 (Presented by Dr. Joseph Baylan)
8. Trotsyuk A, Rodrigues M, Bonham C, **Mittermiller P**, and Gurtner G. Allogeneic CD26 / CD55 Cell Therapy for Treating Burn Wounds. *2018 Wound Healing Society Annual Meeting*, Charlotte, NC, 4/25-29/2018 (Presented by Artem Trotsyuk)
9. Bidwell S, **Mittermiller P**, Cornelius C-P, Thieringer FM, Trickey A, Kontio R, and Girod S. A New Comprehensive Classification System for Mandibular Fractures: A Multicenter Validation Study. *Stanford Plastic Surgery 11th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/17/2018 (Added after printing program)
10. Baylan JM, Andrew T, **Mittermiller PA**, Johns DN, and Lorenz HP. Virtual Surgical Planning Decreases Operative Time for Isolated Single Suture and Multi-Suture Craniosynostosis Repair. *Stanford Plastic Surgery 11th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/17/2018 (Presented by Dr. Joseph Baylan)
11. Trotsyuk A, Rodrigues M, Bonham CA, **Mittermiller P**, Rajadas J, Inayathullah M, and Gurtner GC. Biomimetic Stem Cell Dressing for Skin Regeneration. *Stanford Plastic Surgery 11th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/17/2018 (Presented by Artem Trotsyuk)
12. Kwon SH, Kuehlmann B, Dohi T, Hu MS, **Mittermiller PA**, Inayathullah M, Rajadas J, Longaker MT, and Gurtner GC. Topical Delivery of a Focal Adhesion Kinase Inhibitor Results in Improved Wound Healing in a Preclinical Porcine Model. *Stanford Plastic Surgery 11th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/17/2018 (Presented by Sunny Kwon)
13. **Mittermiller PA**, Sheckter CC, and Most SP. Titanium Miniplates in Septorhinoplasty. *2017 American Academy of Facial Plastic and Reconstructive Surgery Annual Meeting*, Phoenix, AZ, 10/27/2017
14. Rochlin D, **Mittermiller P**, Sheckter C, and Menard R. The pushback pharyngeal flap: a 17-year experience. *17th International Society of Craniofacial Surgery Biennial Meeting*, Cancun, Mexico, 10/24/2017 (Presented by Dr. Robert Menard)

15. **Mittermiller PA**, Sethi H, Lorenz HP, and Khosla RK. Nasal Lining Flaps for Closure of the Nasal Floor in Unilateral and Bilateral Cleft Lip and Palate Repairs Reduces the Rate of Alveolar Fistula Formation. ASMS / Craniomaxillofacial / Head & Neck Session. *Plastic Surgery The Meeting*, Orlando, FL, 10/8/2017
16. **Mittermiller PA**, Sethi H, Lorenz HP, and Khosla RK. Nasal Lining Flaps for Closure of the Nasal Floor in Unilateral and Bilateral Cleft Lip and Palate Repairs Reduces the Rate of Alveolar Fistula Formation. Resident Abstracts - Pediatric and Hand Session. *Plastic Surgery The Meeting*, Orlando, FL, 10/7/2017
17. **Mittermiller P**, Sethi H, Lorenz HP, and Khosla RK. Nasal lining flaps for closure of the nasal floor in unilateral and bilateral cleft lip and palate repairs reduces the rate of alveolar fistula formation. *California Society of Plastic Surgeons 67th Annual Meeting*, San Francisco, CA, 5/28/2017
18. Than PA, Davis CR, Rustad K, **Mittermiller PA**, Findlay MW, Liu W, Whittam AJ, Khong SM, Ma K, Melcher ML, and Gurtner GC. Free Flaps as the Vascularized Foundation for Hepatic Tissue Engineering. *Plastic Surgery Research Council 62nd Annual Meeting*, Durham, NC, 4/5/2017 (Presented by Dr. Peter Than)
19. **Mittermiller P**, Rodrigues M, Shor RE, Li AY, and Gurtner GC. Alterations in Gene Expression Profiles of Adipose-Derived Stromal Cells in Culture. *Stanford Plastic Surgery 10th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/11/2017
20. **Mittermiller P**, Johns D, Baylan J, and Khosla RK. Improvements in Aesthetic Outcomes of Cleft Lip Repair with the Anatomic Subunit Repair in Comparison to the Rotation Advancement Repair. *Stanford Plastic Surgery 10th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/11/2017
21. **Mittermiller, P**, Sheckter CC, and Most SP. Titanium Miniplates in Septorhinoplasty. *Stanford Plastic Surgery 10th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/11/2017
22. Baylan J, **Mittermiller P**, Johns D, Cheng H, Wan D, Khosla R, and Lorenz, HP. Virtual Surgical Planning and CAD/CAM for Correction of Craniosynostosis. *Stanford Plastic Surgery 10th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/11/2017 (Presented by Dr. Joseph Baylan)
23. Dohi T, Rodrigues M, **Mittermiller P**, Paige CJ and Gurtner GC. Single Cell Transcriptional Analysis Identifies Changes Within Murine Fibroblasts During Aging. *Stanford Plastic Surgery 10th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/11/2017 (Presented by Dr. Teruyuki Dohi) (Added after printing program)
24. Kosaric N, Rodrigues M, **Mittermiller P**, Roche E, and Gurtner GC. Regranex® Recruits Circulating Pericytes to Wounds to Accelerate Wound Healing. *Symposium on Advanced Wound Care Spring Meeting / Wound Healing Society Annual Meeting 2017*, San Diego, CA, 4/7/2017 (Presented by Nina Kosaric)
25. **Mittermiller P**, Johns D, Baylan J, and Khosla RK. Improved aesthetic results in unilateral cleft lip repair using the Anatomic Subunit Repair versus Rotation Advancement Repair. *Northwest Society of Plastic Surgeons 55th Annual Scientific Meeting*, Big Sky, MT, 2/18-22/2017 (Presented by Dr. Rohit Khosla)
26. **Mittermiller P**, Sethi H, Lorenz HP, Khosla RK. Nasal lining flaps for nasal floor closure in unilateral and bilateral cleft lip and palate repairs reduces the rate of alveolar fistula formation. *Northwest Society of Plastic Surgeons 55th Annual Scientific Meeting*, Big Sky, MT, 2/18-22/2017 (Presented by Dr. Rohit Khosla)

27. **Mittermiller P**, Rodrigues M, Shor RE, Kuehlmann BA, Gurtner, GC. Characterization of Transcriptional Alterations within Adipose-Derived Stromal Cells in Culture. *12th Annual Academic Surgical Congress*, Las Vegas, NV, 2/8/2017
28. Cheng H, Baylan JM, **Mittermiller P**, Johns DN, and Lorenz HP. Use of Virtual Surgical Planning and CAD/CAM for Correction of Craniosynostosis. *Joint American Society of Pediatric Neurosurgeons / American Society of Craniofacial Surgery Symposium*, Maui, HI, 1/25/2017 (Presented by Dr. Homan Cheng)
29. **Mittermiller P**, Rodrigues, M, Shor, RE, Kuehlmann, BA, and Gurtner, GC. Characterization of Transcriptional Alterations within Adipose-Derived Stromal Cells in Culture. *Stanford Surgery Grand Rounds*, Palo Alto, CA, 1/10/2017
30. **Mittermiller P**, Gruss J, and Khosla R. The medial and lateral nasal lining flaps for nasal floor closure in unilateral and bilateral cleft lip and palate repair. *California Society of Plastic Surgeons 66th Annual Meeting*, Santa Monica, CA, 5/27/16
31. **Mittermiller P**, Gruss J, and Khosla R. The medial and lateral nasal lining flaps for nasal floor closure in unilateral and bilateral cleft lip and palate repair. *Stanford Plastic Surgery 9th Annual Plastic Surgery Research Symposium*, Palo Alto, CA, 4/26/2016
32. **Mittermiller P**, Nazerali R, Glaus S, Perez M, Luan A, and Lee G. Delayed Breast Reconstruction: Re-Evaluating the Use of Acellular Dermal Matrices. *California Society of Plastic Surgeons 65th Annual Meeting*, Monterey, CA, 5/24/2015
33. **Mittermiller P** and Kahn D. Fillers and Botox. *Resident Core Curriculum*, Palo Alto, CA, 12/9/2014
34. **Mittermiller P**, Ho S, Djomehri S, Yu W, Tomsia A, Marshall G, Marshall S, and Lee JS. MicroXCT Analysis of Bone Regeneration and Resorption in Tissue-Engineered Constructs. *American Association for Dental Research 41st Annual Meeting and Exhibition*, Tampa Bay, FL, 3/21/2012
35. Frederick M, **Mittermiller P**, and Hoffman W. Alloplastic Cranioplasty Outcomes in Previously Infected Sites. *American Association of Plastic Surgeons 90th Annual Meeting*, Boca Raton, FL, 4/11/2011 (Presented by Dr. Michael Frederick)
36. **Mittermiller P**, Meltzer HS, Cohen S, Ozgur B, Nguyen A, and Levy M. Nonsyndromic Craniosynostosis: Current Treatment Options. *74th Annual Meeting of the American Association of Neurological Surgeons*, San Francisco, CA, 2006 (Presented by Dr. Burak Ozgur)

POSTER PRESENTATIONS

1. **Mittermiller PA**, Perrault D, Rochlin D, Shekter C, Martin S, Jablonka E, and Menard RM. Endoscopic Spring-Mediated Distraction for Unilateral Craniosynostosis. *21st Annual Emile F. Holman Lecture and 10th Annual Resident Research Day*, Palo Alto, CA, 5/3/2019 (Presented by Dr. David Perrault)
2. Shekter C, Rochlin D, **Mittermiller P**, and Menard R. Vermilion only cross-lip flap for treatment of whistle deformity in secondary bilateral cleft lip repair. *17th International Society of Craniofacial Surgery Biennial Meeting*, Cancun, Mexico, 10/24/2017 (Presented by Dr. Robert Menard)
3. **Mittermiller PA**, Rodrigues M, Shor RE, Li AY, and Gurtner GC. Gene Expression Alterations of Adipose-Derived Stromal Cells in Culture. *Holman Lecture and Resident Research Day*, Palo Alto, CA, 6/9/2017

4. **Mittermiller PA**, Rodrigues M, Shor RE, Li AY, and Gurtner GC. Transcriptional Alterations of Adipose Derived Stromal Cells in Culture. *Plastic Surgery Research Council 62nd Annual Meeting*, Durham, NC, 4/5/2017
5. **Mittermiller P**, Rodrigues M, Than P, Rustad K, Li A, Barrera J, Rajadas J, Inayathullah M, and Gurtner G. Biomimetic Stem Cell Dressing for Skin Regeneration. *Armed Forces Institute of Regenerative Medicine Investigators Meeting*, Bethesda, MD, 6/26/2017 (Presented by Dr. Geoffrey Gurtner)
6. **Mittermiller P**, Gruss J, and Khosla R. The medial and lateral nasal lining flaps for nasal floor closure in unilateral and bilateral cleft lip and palate repair. *American Cleft Palate - Craniofacial Association 73rd Annual Meeting*, Atlanta, GA, 4/8/2016
7. **Mittermiller P**, Yu W, and Lee JS. Comparison of donor and recipient age on the bone forming capacity of human bone marrow stem cells in vivo. *UCSF Medical Student Research Poster Session*, San Francisco, CA, 1/26-27/2011

RADIO APPEARANCES

- 2021 **Doctor Radio on SiriusXM, Invited guest**
 - Answered caller questions about reconstructive and aesthetic plastic surgery procedures

MEDICAL SOFTWARE DEVELOPMENT

- 2017-2019 **ZenXMed**
 - Developing treatment algorithms for problems encountered by plastic surgeons
- 2003 **LeonardoMD – Web-based Medical Practice Management and Clinical Software**
 - Assisted with development of electronic medical record software through troubleshooting

RESEARCH EXPERIENCE

- 2016-2017 **Postdoctoral Research Fellow in Gurtner Laboratory**
 - Analyzed biostatistical data from microfluidic-based single-cell PCR using RStudio
 - Performed wound healing experiments using mouse and large animal (porcine) models
 - Experimented with liver regeneration using a free flap model in rats
 - Managed cell culture, FACS cell sorting, and single-cell analysis
 - Assisted with application for federal grants (R01) and review of outside manuscripts for journals
- 2010-2013 **UCSF Department of Oral and Maxillofacial Surgery**
 - Assessed bone formation in scaffolds using a micro x-ray CT scanner, 3D viewing software, standard histology, and immunohistochemistry to determine ideal scaffold, stem cell, and niche characteristics
- 2009 **Institute of Robotics and Mechatronics at the German Aerospace Center (DLR)**
 - Designed platforms for verifying robot-assisted surgical techniques
 - Constructed phantom organs matching appearance, feel, and ultrasonic properties of natural tissues
- 2008 **Yale Molecular Biophysics and Biochemistry Laboratory**
 - Independently developed a project based on research in current natural product drug discovery
 - Isolated and characterized microorganisms using DNA sequencing and phylogenetic analysis
- 2007-2008 **Yale Department of Biomedical Engineering**
 - Evaluated finite element method for correcting brain shift during image-guided neurosurgery
- 2006 **Cytori Therapeutics**
 - Tested and validated efficacy of novel syringe for injection of stem cell-laden adipose tissue

VOLUNTEER SERVICE

- 2009-present **Yale Alumni Schools Committee, Interviewer**
2017-present **ASMS Best Paper Selection Committee, Member**
2017-present **PRS GO, Reviewer**
2020-present **Annals of Plastic Surgery, Reviewer**
2021-present **The Cleft Palate-Craniofacial Journal, Reviewer**
2015-2020 **Stanford PRS Box Shared Drive, Manager/Editor**
– Maintained Stanford PRS Box for sharing common resources for residents
2019 **AO CMF On Air, Discussant in session on complex mandible fractures**
2010-2013 **UCSF Student Affairs, “Big sib”**
2011 **UCSF Curricular Affairs, Volunteer**
– Started collection of more than 100 review books in medical student lounge
– Developed presentations with learning specialist to help class prepare for licensing exams
2010-2011 **UCSF Homeless Clinic, Student volunteer**
2010-2011 **Synapse, Photo contributor**
2009-2011 **UCSF Office of Technology, Volunteer**
– Assisted classmates with newly developed online portfolio system and document sharing
2005-2008 **Yale University Club Water Polo, Men’s student coach, women’s assistant coach**
2007-2008 **Yale Emergency Medical Services, EMT**

INTERNATIONAL SURGICAL EXPERIENCE

- 2019 Educational trip to Singapore to observe microsurgery
2018 Cosmetic educational surgery trip to Hue Central Hospital in Hue, Vietnam with Dr. Dung Nguyen (Clinical Associate Professor at Stanford) and Dr. Joshua Korman (Adjunct Clinical Associate Professor at Stanford). Focused on blepharoplasty and rhinoplasty.
2016 Craniofacial mission trip to Parirenyatwa Hospital in Harare, Zimbabwe through ReSurge International with Dr. Derrick Wan (Associate Professor at Stanford). Focused on education of Zimbabwean plastic surgery residents. Operated on burn contractures and clefts.

SURGERY SOCIETY MEMBERSHIPS

- 2014-current American Society of Maxillofacial Surgeons
2015-current California Society of Plastic Surgeons
2013-current American Society of Plastic Surgeons
2019-current AO – Craniomaxillofacial
2022-current The Rhinoplasty Society (Candidate)
2016-2017 American Cleft Palate Association
2014-2015 American Society for Aesthetic Plastic Surgeons

SURGERY COURSES

- 2021 KLS’s Facial Feminization Surgery Course 2021 (James Bradley, Branko Bojovic, Richard Yim)
2019 ASPS’s Facial Feminization Cadaver Lab (Luis Capitán, Marcelo Di Maggio, Peter Taub)
018 Stryker’s Advances in Craniomaxillofacial Surgery: Mastery of Treatment and Fixation Techniques, Chicago, IL
2016 AOCMF Pediatric Craniomaxillofacial Surgery, Phoenix, AZ
2016 Stryker’s Surgical Approaches and Techniques in Craniomaxillofacial Trauma Surgery, Las Vegas, NV
2015 Principles of Operative Treatment of Craniomaxillofacial Trauma and Reconstruction, San Francisco, CA
2015 Nasal Plastic and Reconstructive Surgery Course, Stanford, CA
2014 Stryker’s Surgical Approaches, Techniques and Complications in Craniomaxillofacial Trauma, Las Vegas, NV
2014 5th Annual Institute for Global Orthopaedics and Traumatology International Summit and Surgical Management and Reconstructive Training Course, San Francisco, CA
2013 4th Annual Institute for Global Orthopaedics and Traumatology Trauma Wound Management Summit and International Flap Course, San Francisco, CA