

**Alexandra M. Keane, MD**  
***Curriculum Vitae***

**CITIZENSHIP:** USA

**ADDRESSES:**

Office:

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**PRESENT POSITION:**

July 2025 – present	Aesthetic Surgery Fellowship with Dr. Bradley Calobrace
Fellowship	CaloAesthetics Plastic Surgery Center (Louisville, KY)

**EDUCATION AND TRAINING:**

June 2019 – June 2025	Integrated Plastic and Reconstructive Surgery
Residency	Washington University School of Medicine/Barnes-Jewish Hospital/St. Louis Children's Hospital (St. Louis, MO)

August 2015 – May 2019	Doctor of Medicine (MD), Alpha Omega Alpha
Medical School	Washington University School of Medicine (St. Louis, MO)

August 2011 – May 2015	Bachelor of Arts (BA), <i>summa cum laude</i>
Undergraduate	Double major: Chemistry, Biology with a concentration in Neuroscience Washington University in St. Louis (St. Louis, MO)

**HONORS AND AWARDS:**

2024	Best Podium Presentation, Washington University Plastic and Reconstructive Surgery James Barrett Brown Research Day
2024	Resident Travel Scholarship, The Aesthetic Meeting
2023	Best Podium Presentation, Washington University Plastic and Reconstructive Surgery James Barrett Brown Research Day
2022	Doximity Top 10% Most Cited Clinician
2022	Resident Travel Scholarship, Plastic Surgery The Meeting
2019	Washington University in St. Louis All-School Commencement Speaker
2019	Best Resident Clinical Research Paper, American Society for Peripheral Nerve Annual Meeting
2018	Alpha Omega Alpha Honor Medical Society Inductee <ul style="list-style-type: none"><li>▪ President of the 2018-2019 Washington University School of Medicine Alpha Omega Alpha Honor Medical Society Student Class</li></ul>
2018	1 <sup>st</sup> place Medical Student Research Award, Midwestern Association of Plastic Surgeons Annual Meeting
2018	Women's Microsurgery Group ViOptix Travel Scholarship, American Society for Reconstructive Microsurgery Annual Meeting

- 2017 2<sup>nd</sup> place Medical Student Research Award, Midwestern Association of Plastic Surgeons Annual Meeting
- 2016 Carolyn L. Kuckein Student Research Fellowship Award, Alpha Omega Alpha Honor Medical Society
- Awarded to 50 medical students nationwide
- 2016 Medical Student Research Fellowship Award, American Society for Reconstructive Microsurgery
- 2015 *Summa cum laude*, Washington University in St. Louis
- 2015 David Gutsche Award
- Awarded to one senior per year at Washington University in St. Louis for excellence in inorganic and physical chemistry
- 2014 – 2016 Captain of the Washington University in St. Louis Women's Basketball Team
- 2013 – 2015 Florence Moog Scholar (50% tuition)
- Awarded to one Washington University in St. Louis undergraduate student per year for excellence in both the sciences and an outside extracurricular activity
- 2012 – 2016 Academic All-University Athletic Association Women's Basketball Team
- 2011 – 2015 Liselotte Dieckmann Scholar (50% tuition)
- Awarded for academic excellence at Washington University in St. Louis
- 2011 Kansas City Scholar-Athlete Award

## BIBLIOGRAPHY:

### Peer-Reviewed Publications

- **Keane AM**, Gillanders WE, Myckatyn TM. Discussion: Breast Implants Elicit Local and Systemic Immune Response: Evidence for Breast Cancer Immunosurveillance. *Plast Reconstr Surg*. 2025 May 1;155(5):810-811. doi: 10.1097/PRS.00000000000011827. Epub 2025 Apr 23. PMID: 40294310.
- **Keane AM**, Tandon D, Tenenbaum MM, Myckatyn TM. Expanded Approaches for Mastopexy in Aesthetic and Reconstructive Breast Surgery. *Plast Reconstr Surg*. 2025 Feb 1;155(2):433e-446e. doi: 10.1097/PRS.00000000000011764. Epub 2025 Jan 20. PMID: 39874100.
- Keane Tahmaseb GC, **Keane AM**, Foppiani JA, Myckatyn TM. An Update on Implant-Associated Malignancies and Their Biocompatibility. *Int J Mol Sci*. 2024 Apr 24;25(9):4653. doi: 10.3390/ijms25094653. PMID: 38731871; PMCID: PMC11083590.
- Chiang SN, **Keane AM**, Ribaudo JG, Tao Y, Margenthaler JA, Tenenbaum MM, Myckatyn TM. Direct-to-Implant vs Tissue Expander Placement in Immediate Breast Reconstruction: A Prospective Cohort Study. *Aesthet Surg J*. 2024 Mar 7. Epub ahead of print. PMID: 38452172.
- **Keane AM**, Chiang SN, Tao Y, Pierce A, Gagne J, Margenthaler JA, Tenenbaum MM, Myckatyn TM. Cortiva vs AlloDerm in Prepectoral and Partial Submuscular Implant-Based Breast Reconstruction: A Randomized Clinical Trial. *Plast Reconstr Surg*. 2023 Dec 12. Epub ahead of print. PMID: 38085977.
- Chi D, Raman S, Tawaklna K, Zhu WY, **Keane AM**, Bruce JG, Parikh R, Tung TH. Free functional muscle transfer for lower extremity reconstruction. *J Plast Reconstr Aesthet Surg*. 2023 Sep 15;86:288-299. Epub ahead of print. PMID: 37797377.
- Alderman A, Caplin D, Hammond DC, **Keane A**, Turetzky J, Kane WJ. Clinical Results of Mentor MemoryGel Xtra Breast Implants from the GLOW Clinical Trial. *Aesthet Surg J*. 2023 Aug 23:sjad272. Epub ahead of print. PMID: 37610252.
- **Keane AM**, Myckatyn TM. Discussion: Repeated Lipoteichoic Acid Injection at Low Concentration Induces Capsular Contracture by Activating Adaptive Immune Response through the IL-6/STAT3 Signaling Pathway. *Plast Reconstr Surg*. 2023 Aug 1;152(2):360-361. 2023 Aug 1. Epub 2023 July 27. PMID: 37498924.

- Keane GC, **Keane AM**, Diederich R, Kennard K, Duncavage EJ, Myckatyn TM. The evaluation of the delayed swollen breast in patients with a history of breast implants. *Front Oncol*. 2023 Jul 5;13:1174173. PMID: 37476374; PMCID: PMC10354431.
- **Keane AM**, Keane GC, Skolnick GB, Chi D, Ebersole TD, Myckatyn TM, Tenenbaum MM. Immediate Postmastectomy Implant-Based Breast Reconstruction: An Outpatient Procedure? *Plast Reconstr Surg*. 2023 Jul 1;152(1):1e-11e. Epub 2023 Jan 2. PMID: 36728530.
- **Keane AM**, Keane GC, Tenenbaum MM. Commentary on: Do Compression Garments Prevent Subcutaneous Edema After Abdominoplasty? *Aesthet Surg J*. 2023 Feb 21;43(3):337-339. PMID: 36380465.
- **Keane AM**, Larson EL, Payne RM, Cooke S, Zubovic E, Patel KB, Mackinnon SE, Snyder-Warwick AK. Dispose with dish soap: A simple and convenient method to increase proper opioid disposal in postoperative pediatric patients. *J Plast Reconstr Aesthet Surg*. 2022 Oct;75(10):3845-3852. Epub 2022 Jun 22. PMID: 35995677.
- **Keane AM**, Mackinnon SE, Snyder-Warwick AK. Reply: Women in Leadership and Their Influence on the Gender Diversity of Academic Plastic Surgery Programs. *Plast Reconstr Surg*. 2022 Jul 1;150(1):237e-238e. Epub 2022 May 24. PMID: 35608848.
- **Keane AM**, Larson EL, Santosa KB, Vannucci B, Waljee JF, Tenenbaum MM, Mackinnon SE, Snyder-Warwick AK. Women in Leadership and Their Influence on the Gender Diversity of Academic Plastic Surgery Programs. *Plast Reconstr Surg*. 2021 Mar 1;147(3):516-526. PMID: 33587563; PMCID: PMC7902393.
- Santosa KB, **Keane AM**, Keller M, Olsen MA, Sears ED, Snyder-Warwick AK. Inpatient Versus Outpatient Management of Negative Pressure Wound Therapy in Pediatric Patients. *J Surg Res*. 2020 Oct;254:197-205. Epub 2020 May 23. PMID: 32450421; PMCID: PMC7484025.
- Vannucci B, Santosa KB, **Keane AM**, Jablonka-Shariff A, Lu CY, Yan Y, MacEwan M, Snyder-Warwick AK. What is Normal? Neuromuscular junction reinnervation after nerve injury. *Muscle Nerve*. 2019 Nov;60(5):604-612. Epub 2019 Aug 23. PMID: 31408210; PMCID: PMC7092387.
- Santosa KB, Keller M, Olsen MA, **Keane AM**, Sears ED, Snyder-Warwick AK. Negative-Pressure Wound Therapy in Infants and Children: A Population-Based Study. *J Surg Res*. 2019 Mar;235:560-568.10.043. Epub 2018 Nov 30. PMID: 30691843; PMCID: PMC6364568.
- Santosa KB<sup>1</sup>, **Keane AM**<sup>1</sup>, Politi M, Snyder-Warwick AK. Facial Animation Surgery for Long-standing Facial Palsy: Opportunities for Shared Decision Making. *JAMA Facial Plast Surg*. 2019 Jan 1;21(1):3-4. PMID: 30178057; PMCID: PMC6525639.
  - <sup>1</sup> co-first authors
- Santosa KB, **Keane AM**, Jablonka-Shariff A, Vannucci B, Snyder-Warwick AK. Clinical relevance of terminal Schwann cells: An overlooked component of the neuromuscular junction. *J Neurosci Res*. 2018 Jul;96(7):1125-1135. Epub 2018 Mar 13. PMID: 29536564; PMCID: PMC6292684.
- **Keane AM**, Santosa KB, Shahrawat SM, Snyder-Warwick AK. Roles of the Microsurgeon and Anesthesiologist in the Treatment of Neonatal Upper Extremity Arterial Thrombosis: A Case Report. *A A Pract*. 2018 Mar 1;10(5):113-117. PMID: 29045242; PMCID: PMC5882546.

### **Book Chapters**

- **Keane AM**, Tenenbaum MM. *Fat Grafting to Breast*. In: Matarasso A, Shermak MA, Lin SJ, eds. *Expert Techniques in Aesthetic Surgery*. Elsevier.
  - o In-press
- Keane Tahmaseb GC, **Keane AM**, Lin SJ, Ebersole TG. (2025). Aging Rhinoplasty. *Advances in Cosmetic Surgery*, 8(1), 169-176. <https://doi.org/10.1016/j.yacs.2024.12.003>

### **Podium Presentations**

- Comparing Soft Tissue Support Approaches in Direct-to-Implant Prepectoral Breast Reconstruction. **Keane AM**, Pourak K, Sletten AC, Skolnick GB, Anolik RA, Tenenbaum MM, Myckatyn TM.

- Podium presentation by Keane AM at Washington University Plastic and Reconstructive Surgery James Barrett Brown Research Day (St. Louis, MO, 2025).
- Direct-to-Implant vs Tissue Expander Placement in Immediate Breast Reconstruction: A Prospective Cohort Study. Chiang SN, **Keane AM**, Ribaudo JG, Tao Y, Margenthaler JA, Tenenbaum MM, Myckatyn TM.
  - Podium presentation by Keane AM at Washington University Plastic and Reconstructive Surgery James Barrett Brown Research Day (St. Louis, MO, 2024).
  - Best Podium Presentation Award
- A Single-Blinded Prospective Randomized Clinical Trial Comparing Cortiva to AlloDerm in Prepectoral and Partial Submuscular Immediate Implant-Based Breast Reconstruction. **Keane AM**, Chiang SN, Tao Y, Pierce A, Gagne J, Margenthaler JA, Tenenbaum MM, Myckatyn TM.
  - Podium presentation by Keane AM at Washington University Plastic and Reconstructive Surgery James Barrett Brown Research Day (St. Louis, MO, 2023).
  - Best Podium Presentation Award
- Early Clinical Experience with MemoryGel® Xtra Breast Implants in Augmentation and Reconstruction Patients. Alderman A, Caplin D, Hammond DC, **Keane A**, Turetzky J, Kane WJ.
  - Podium Presentation by Keane AM at the Aesthetic Meeting (Miami, FL, 2023).
- Updates in Imaging of Breast Reconstruction. Shah R, **Keane AM**, Bennett DL.
  - Oral Presentation by Shah R at American Roentgen Ray Society Annual Meeting (Honolulu, HI, 2023).
- Dispose with dish soap: a simple and convenient method to increase proper opioid disposal in postoperative pediatric patients. **Keane AM**, Larson EL, Payne RM, Cooke S, Zubovic E, Patel KB, Mackinnon SE, Snyder-Warwick AK.
  - Podium presentation by Keane AM at the Plastic Surgery Research Council Annual Meeting (Toronto, CA, 2022).
- Immediate post-mastectomy implant-based breast reconstruction: an outpatient procedure? **Keane AM**, Keane GC, Skolnick GB, Chi D, Ebersole TD, Myckatyn TM, Tenenbaum MM.
  - Podium presentation by Keane AM at the American Association of Plastic Surgeons Annual Meeting (San Diego, CA, 2022).
- Chemodenervation of the Lower Lip Depressors for Facial Paralysis Improves Patient-Reported Outcomes. **Keane AM**, Santosa KB, Snyder-Warwick AK.
  - Podium presentation by Keane AM at the American Society for Peripheral Nerve Annual Meeting (Palm Desert, CA, 2019).
  - Best Clinical Research Paper Resident Award
- Patterns of Hindlimb Muscle Neuromuscular Junction Reinnervation after Nerve Injury. **Keane AM**, Santosa KB, Vannucci B, Jablonka-Shariff A, Snyder-Warwick AK.
  - Podium presentation by Keane AM at the Midwestern Association of Plastic Surgeons Annual Meeting (Chicago, IL, 2018).
  - 1<sup>st</sup> place Medical Student Research Award
- Macrophages are Integral for Neuromuscular Junction Reinnervation after Nerve Injury. Vannucci B, Santosa KB, **Keane AM**, Jablonka-Shariff A, Snyder-Warwick AK.
  - Podium presentation by Vannucci B at the Midwestern Association of Plastic Surgeons Annual Meeting (Chicago, IL, 2018).
- Macrophages are Integral to Neuromuscular Junction Reinnervation after Nerve Injury. Santosa KB, **Keane AM**, Vannucci B, Jablonka-Shariff A, Snyder-Warwick AK.
  - Podium presentation by Vannucci B at the American Society for Peripheral Nerve Annual Meeting (Phoenix, AZ, 2018).
- Reinnervation Patterns of Hindlimb Muscle Neuromuscular Junctions after Nerve Injury. Santosa KB, Vannucci B, **Keane AM**, Jablonka-Shariff A, Snyder-Warwick AK.

- Podium presentation by Keane AM at the American Society for Peripheral Nerve Annual Meeting (Phoenix, AZ, 2018).
- Recruitment of Macrophages to the Neuromuscular Junction after Acute Nerve Injury. **Keane AM**, Santosa KB, Jablonka-Shariff A, Snyder-Warwick AK.
  - Podium presentation by Keane AM at the Midwestern Association of Plastic Surgeons Annual Meeting (Chicago, IL, 2017).
  - 2<sup>nd</sup> place Medical Student Research Award
- Macrophages are Recruited to the Neuromuscular Junction after Nerve Injury. **Keane AM**, Santosa KB, Jablonka-Shariff A, Snyder-Warwick AK.
  - Podium presentation by Keane AM at the American Society for Reconstructive Microsurgery Annual Meeting (Waikoloa, HI, 2017).
- Macrophage Activation to Skeletal Muscle after Nerve Injury. Santosa KB, Fuchs AG, Jablonka-Shariff A, Turnbull I, **Keane AM**, Snyder-Warwick AK.
  - Podium presentation by Santosa KB at the American Society for Peripheral Nerve Annual Meeting (Waikoloa, HI, 2017).
- Neurotrophic factors selectively modulate scratching behavior and sensory neuron responses to pruritogens. Valtcheva M, **Keane A**, Golden J, Gereau R, and Davidson S. The Journal of Pain, S56.
  - Oral and poster presentation at the American Pain Society Annual Meeting (Palm Springs, CA, 2015), the Society for Neuroscience Annual Meeting (Chicago, IL, 2015), and the ASCI/AAP/APSA Joint Meeting (Chicago, IL, 2015).

#### **Poster Presentations**

- Immediate post-mastectomy implant-based breast reconstruction: an outpatient procedure? **Keane AM**, Keane GC, Skolnick GB, Chi D, Ebersole TD, Myckatyn TM, Tenenbaum MM.
  - ePoster presentation at the Plastic Surgery Research Council Annual Meeting (Toronto, CA, 2022).
- Macrophage Recruitment and Activation to Skeletal Muscle after Acute Nerve Injury. Santosa KB, Jablonka-Shariff A, Fuchs AG, **Keane AM**, Turnbull I, Snyder-Warwick AK.
  - Poster presentation at the Plastic Surgery Research Council Annual Meeting (Durham, NC, 2017).
- Macrophage Recruitment to the Neuromuscular Junction After Nerve Injury. **Keane AM**, Santosa KB, Fuchs AG, Jablonka-Shariff A, Snyder-Warwick AK.
  - Poster presentation at the Washington University School of Medicine Research Training Symposium (St. Louis, MO, 2016).
- Can Sleep Restore Memory Formation in the Midst of Severe Brain Damage? **Keane AM**, Suzuki Y, Dissel S, Shaw JP.
  - Poster presentation at the Mind, Brain, and Behavior Washington University in St. Louis Undergraduate Research Symposium (St. Louis, MO, 2013).
- Identification of Inner Nuclear Membrane Proteins in *Saccharomyces Cerevisiae* Utilizing a Split-GFP Approach. **Keane AM**, Katta SS, Jaspersen SL.
  - Poster presentation at Stowers Institute for Medical Research Poster Day (Kansas City, MO, 2012).