



PERSONAL INFORMATION

Name: Fei Chen

Work Address: N2198 UNC Hospitals, CB#7010, Chapel Hill, North Carolina 27599-7010

Work Phone: (919) 966-5136

EDUCATION

GRADUATE

05/30/2019 – 12/17/2022	North Carolina State University Raleigh, North Carolina, USA	Master of Statistics
08/30/2010 - 05/07/2015	State University of New York Albany, New York, USA	Doctor of Philosophy, Educational Psychology and Methodology
09/01/2005 – 07/02/2008	East China Normal University Shanghai, China	Master of Education, Developmental and Educational Psychology

UNDERGRADUATE

09/01/2001 – 07/01/2005	East China Normal University Shanghai, China	Bachelor of Science, Psychology
-------------------------	---	---------------------------------

CERTIFICATIONS/LICENSURE

Instructional Design and E-Learning/Educational Technology	North Carolina State University Graduate Certificate in Teaching, Training, and Teaching, and Educational Technology	05/2020, No expiration date
Statistical Learning (Completion with Distinction)	Stanford Online	08/2017, No expiration date
Responsible Conduct of Research	University of North Carolina at Chapel Hill	07/24/2017, No expiration date

PROFESSIONAL EXPERIENCE

01/24/2025 -	Associate Professor (Tenured) Anesthesiology Education	University of North Carolina Department of Anesthesiology
03/01/2020 -01/23/2025	Assistant Professor (Tenure-track) Anesthesiology Education	University of North Carolina Department of Anesthesiology
09/08/2015 – 02/29/2020	Education Research Specialist	University of North Carolina Department of Anesthesiology
08/15/2010 – 05/07/2015	Graduate Research Assistant	State University of New York School of Education
06/01/2014 – 07/31/2014	Summer Research Intern	Educational Testing Service,

HONORS

2025 Top 3 Oral Abstract - Designed Study

Society for Education in Anesthesia

“Key Themes Influencing Evaluation of Unprofessional Behavior in Anesthesiology Residency: A Qualitative Analysis of Trainee and Attending Assessments”

2025 Judges Choice Award

5th Annual Marianne Chaloupek GME Innovation of the Year, University of Florida

“Implementation of the Family Anesthesia Experience (FAX) Program across Multiple Institutions to Enhance Resident Wellness and Support”

2024 Top 3 Poster Award

American Board of Medical Specialties Conference

“Exploring the Relationship between Demographic Factors and Accuracy of Anesthesiology Residents’ Self-Assessments of Clinical Competencies”

2024 Scholarship Award

Academy of Educators Evening of Scholarship, University of North Carolina School of Medicine

2024 Best Poster Award

Academy of Educators Evening of Scholarship, University of North Carolina School of Medicine

“Educating Anesthesiology Residents and their Support Persons to Improve Relationships and Increase Wellness: A multi-site study”

2024 Top Educational Abstract Award

University of Florida Department of Anesthesiology Celebration of Research Meeting

“Development and Validation of an Online, Interactive Defibrillator Simulation for Advanced Cardiovascular Life Support Providers”

2023 Philip Liu Award for Innovation in Anesthesia Education – Education Research

Society for Education in Anesthesia

“Unprofessionalism in Anesthesiology: Development of a Framework of Unprofessional Behavior Based on Multi-institutional Vignette Survey”

2022 Top Abstract Award

Thoracic Anesthesia Symposium and Society of Cardiovascular Anesthesiologists Annual Meeting

“Preoperative Ace Inhibitor and Angiotensin Receptor Blocker Therapy: Associations with Increased Vasopressin Use in Patients Undergoing Video Assisted Thoracoscopic Wedge Resection or Lobectomy”

2020 Best Work-in-Progress Paper Award

Immersive Learning Research Network Annual Conference Online, IEEE

“Testing of a virtual patient: linguistic and display engagement findings”

2018 Medical Education's Silver Quill Award

The Association of the Study of Medical Education

Highest average downloads per month from *Medical Education* in 2017, "A systematic review of the effectiveness of flipped classrooms in medical education"

2018 Runner up - Philip Liu Award for Innovation in Anesthesia Education

Innovation in Curriculum, Society for Education in Anesthesia

"A family focused experience to enhance wellbeing of new anesthesia residents: CA-1 wellness orientation and family experience"

2017 1st Place Award - Research Abstract

Annual International Meeting on Simulation in Healthcare

"Validity of simulation-based assessments for ACGME milestone achievement"

2016 1st Place Award - Scientific Research Abstract

Society for Education in Anesthesia Spring Meeting

"The predictive value of pre-recruitment academic achievement on resident performance in anesthesiology"

2014 Gifted Child Quarterly's Paper of the Year Award

National Association for Gifted Children Annual Meeting

"Three paradigms of gifted education in search of conceptual clarity in research and practice"

2014 Professional Development Fellowship

American Educational Research Association

AERA Institute on Statistical Analysis for Education Policy: Causal Analysis Using International Data

BIBLIOGRAPHY AND PRODUCTS OF SCHOLARSHIP

BOOKS AND BOOK CHAPTERS:

1. **Chen, F.**, Zisblatt, L., Pylman, S. (2025). Using Assessment to Elicit Student Thinking and Promote Learning. In: Pylman, S., Moquin, R., Greenberg, A. (eds) *Leveraging and Assessing Student Thinking*. IAMSE Manuals. Springer, Cham. https://doi.org/10.1007/978-3-031-89714-6_8
2. Tobias, S., Fletcher, J. D., Bediou, B., Wind, A., & **Chen, F.** (2014). Multimedia learning with computer games. In R. E. Mayer (Ed.) *The Cambridge Handbook of Multimedia Learning* (pp.762-784). New York, NY: Cambridge University Press.
3. Dai, Y., & **Chen, F.** (2013). *Paradigms of gifted education: A guide for use-inspired research*. WACO, TX: Prufrock Press.
4. **Chen, F.** & Dai, D. Y. (2013). Talent identification. In D. Y. Dai, & J. Cai (Eds.) *Gifted education in the USA* (pp.27-36). China: Zhejiang Education Press.
5. Li, X., & **Chen, F.** (2010). *Psychosocial Development: Self-regulation in Adolescence*. Shanghai, China: Science & Technology Press.

REFEREED (PEER – REVIEWED) PUBLISHED PRODUCTS OF SCHOLARSHIP:

Research

1. **Chen F**, Isaak RS, Canter C, Meltzer-Brody S, Nichols K, Grewe M, Martinelli SM. The Family Experience: A Family-Focused Support Intervention to Enhance Wellness in Undergraduate Medical Education, *Medical Science Educator* (2025). <https://doi.org/10.1007/s40670-025-02351-6>
2. Richardson J, Yarris LM, Carney PA, Goss E, Zelaya MI, Morgan HK, **Chen F**, Schumacher J, O'Rourke P, Gillespie C, Thompson BM, Goldhamer MEJ. Program Evaluation for Graduate Medical Education: Practical Approaches from the Reimagining Residency Evaluation Community of Practice. *J Grad Med Educ*. 2025;17(2 Suppl):53-56.
3. Kazior MR, **Chen F**, Samuels KS, Samouche C, Gravenstein N, Lampotang S, Martinelli, SM. Development and Pilot of an Online, Interactive Defibrillator Simulation for Advanced Cardiovascular Life Support Providers. *J Educ Perioper Med*. 2025;27(1):E739.
4. Rojas AF, **Chen F**, McMillan D, An X, Isaak R, Jolly M, Allan J, Coombs R, Nanda M, Grant SA. Beyond the Block: Development of an Assessment Tool to Evaluate Periprocedural and Communication Skills in Regional Anesthesia. *J Educ Perioper Med*. 2025 Apr 8;27(1):E743.
5. Zisblatt L, Moquin R, Benckendorf A, Dillman D, DiLorenzo AN, Grantham AE, MacEachern MP, Peoples EE, **Chen F**. Critical appraisal of anesthesiology educational research for 2021. *The Journal of Education in Perioperative Medicine: JEPM*, 2025;27(1): E737.
6. Sun T, Park YS, **Chen F**, Hogan SO, Tanaka P. Longitudinal Reliability of Milestones Learning Trajectories during Anesthesiology Residency, *Anesthesiology*. 2025;142(5):918-928.
7. Powers K, Brandon J, **Chen F**. Teaming Up for Community Health Simulation Intervention: A Quasi-Experimental Study. *Nurs Educ Perspect*. 2025;46(1):30-36.
8. Martinelli SM, Tran T, Canter C, Isaak RS, Afroze F, Mulaikal TA, Ladlie B, Jain A, Willie C, Stahl DL, Blanchard E, Zisblatt L, Hoefnagel AL, Marshall JM, Collins S, Keneally RJ, Martin TW, **Chen F**. The Family Anesthesia Experience (FAX): Implementing a Social Support-Focused Wellness Programme Across Multiple Residency Programmes. *Clin Teach*. 2025 Feb;22(1):e13853
9. **Chen F**, O'Brien CL, Blanco MA, Huggett KN, Jeffe DB, Pusic MV, Brenner JM. Recommendations to address and research systemic bias in assessment: perspectives from directors of research in medical education. *Med Educ Online*. 2024;29(1):2396166.
10. Blacker S, **Chen F**, Winecoff D, Antonio B, Arora H, Hierlmeier B, Kacmar R, Passannante A, Plunkett A, Zvara D, Cobb B, Doyal A, Rosenkrans D, Brown K, Gonzalez M, Hood C, Pham T, Lele A, Hall, L, Ali A, Isaak R. An exploratory analysis of ChatGPT compared to human performance with the anesthesiology oral board exam: Initial insights and implications, *Anesth Analg*. ():10.1213/ANE.0000000000006875, September 13, 2024.
11. **Chen F**, Belgique, ST, Canter C, Boscardin CK, Willie C, Mitchell JD, Sullivan K, Martinelli SM, Unprofessionalism in anesthesiology: A qualitative study on classifying unprofessional behavior in anesthesiology residency education, *J Clin Anesth*. 2024 Aug; 95:111429. doi: 10.1016/j.jclinane.2024.111429. Epub 2024 Mar 8. PMID: 38460412.
12. Woodworth GE, Goldstein ZT, Ambardekar AP, Arthur ME, Bailey CF, Booth GJ, Carney PA, **Chen F**, Duncan MJ, Fromer IR, Hallman MR, Hoang T, Isaak R, Klesius LL, Ladlie BL, Mitchell SA, Miller Juve AK, Mitchell JD, McGrath BJ, Shepler JA, Sims CR, Spofford CM, Tanaka PP, Maniker RB. Development and pilot testing of a programmatic system for competency assessment in us anesthesiology residency training. *Anesth Analg*. 2024 May; 138(5):1081-1093.
13. **Chen F**, Jordan K, Li W, Lam Y, Pascarella L, Coe C. Academic performance of students in an accelerated medical pathway. *Medical Education Online*. 2024 Dec 31;29(1):2345444. doi: 10.1080/10872981.2024.2345444. Epub 2024 Apr 28.

14. Martinelli SM, Tran TN, Chidgey BA, Isaak RS, Teeter EG, **Chen F**. Family Anesthesia Experience: Improving Social Support of Residents Through Education of Their Family and Friends. *MedEdPORTAL*. 2023 Dec 15;19:11370.
15. **Chen F**, Stiegler M, Martinelli S, Arora H, Isaak R. No miracles in two minutes: A randomized controlled study on the impact of preparatory expansive posing on anesthesiology residents' performance in mock structured oral examinations. *The Journal of Education in Perioperative Medicine: JEPM*. 2023; 25(2): E700.
16. Zisblatt L, Moquin R, Ayres FGR, Dillman D, DiLorenzo AN, Grantham AE, MacEachern MP, Peoples EE, **Chen F**. Critical appraisal of anesthesiology educational research for 2020. *The Journal of Education in Perioperative Medicine: JEPM*. 2023; 25(3): E708.
17. **Chen F**, Powers K, Goetzinger A M, et al. Exploring the impact of book club participation on clinicians' empathy and reflection on empathetic practice: A wake-up call. *Cureus*. 2023; 15(5): e39656.
18. **Chen, F**, Rahim S, Isaak R, Chidgey B, Teeter E, Arora H, Martinelli, SM. Maintaining social support in the era of social distancing: transitioning an in-person family-oriented wellness event to a virtual venue. *eLearn 2023*, Special Issue, Article 4.
19. **Chen F**, Isaak R, Afroze F, et al. A multi-site survey study on the association between the Covid-19 pandemic and united states anesthesiology residents' mental health. *Cureus*. 2023; 15(2): e34782.
20. Barnes RH, Baumann CA, Woody N, **Chen F**, Creighton RA, Kamath GV, Spang JT. Prescribing fewer opioids after rotator cuff repair and anterior cruciate ligament reconstruction lowers opioid consumption without impacting patient-reported pain scores. *Arthroscopy, Sports Medicine, and Rehabilitation*. 2022; 4(5): e1653–e1658.
21. Zisblatt L, **Chen F**, Dillman D, DiLorenzo AN, MacEachern MP, Juve AM, Peoples EE, Grantham AE. Critical appraisal of anesthesiology educational research for 2019. *The Journal of Education in Perioperative Medicine: JEPM*. 2022; 24(2): 1-21.
22. Gray L, **Chen F**, Teeter EG, Kolarczyk LM, Smeltz AM. Evaluation of the Simpson's method to determine left ventricular ejection fraction using the transgastric two-chamber view. *Seminars in Cardiothoracic Anesthesiology*. 2022;26(3):195-199.
23. Blomberg BA, **Chen F**, Dallaghan GL, MacDonald J, Wilson L. Development and evaluation of a faculty teaching boot camp before and during the COVID-19 pandemic. *Cureus*. 2022 Jun;14(6): e26237.
24. Brown KB, Cook A, **Chen F**, Martinelli SM. A perspective on wellness in anesthesiology residency programs: a multi-strategy approach. *Anesthesiology Clinics*. 2022 Jun; 40(2):257-74. (Invited)
25. Kazior MR, **Chen F**, Isaak R, Dhandha V, Cobb KW. Perception precedes reality: A simulation and procedural bootcamp improves residents' comfort with transitioning to clinical anesthesiology training. *Cureus*. 2022 Jan;14(1): e21706.
26. Zwemer E, **Chen F**, Dallaghan GL, Shenvi C, Wilson L, Martinelli SM, Resnick-Kahle M, Crouner J, Joyner BL, Westervelt L, Jordan JM. Reinvigorating an Academy of Medical Educators using Ecological Systems Theory. *Cureus*. 2022 Jan;14(1): e21640.
27. Zisblatt L, Byrne M, **Chen F**, Caldwell M. Graduate medical education can be an impetus for behavior changes in physicians in practice: Point-of-care ultrasound faculty development intervention in anesthesiology. *Journal of Continuing Education in the Health Professions*. 2022; 42(2):90-6.
28. Greenberg MR, Lawrence MB, **Chen F**, Ross EM. Piloting a new curriculum: guided at-home pediatric regional anesthesia education using a portable ultrasound. *Cureus*. 2021; 13(9): e17933.
29. Martinelli SM, **Chen F**, Isaak RS, Hendrickse A, Mahoney B, Diachun CAB, Mitchell JD, Transitioning to virtual meetings: experiences from the Society for Education in Anesthesia virtual fall 2020 meeting. *J Educ Perioper Med*. 2021; 23(3): E667.
30. Woodworth GE, Marty AP, Tanaka PP, Ambardekar AP, **Chen F**, Duncan MJ, Fromer IR, Hallman MR, Klesius LL, Ladlie BL, Mitchell SA. Development and pilot testing of entrustable professional activities for US anesthesiology residency training. *Anesthesia & Analgesia*. 2021;132(6):1579-91.

31. Bowler C, Bourgeois AJ, Draconi C, Hamra CA, Rubenstein D, **Chen F**. A critical reflection on the experience of non-physician (“public”) members in Milestones 2.0 work groups. *Journal of Graduate Medical Education*. 2021;13(2s):11-3.
32. Martinelli SM, **Chen F**, Isaak RS, Huffmyer JL, Neves SE, Mitchell JD. Educating anesthesiologists during the coronavirus disease 2019 pandemic and beyond. *Anesthesia & Analgesia*. 2021 Mar 1;132(3):585-93.
33. Straube LE, Fardelmann KL, Penwarden AA, **Chen F**, Harker E, Redmon BF, Li Q, Strauss R, Smith KA. Nitrous oxide analgesia for external cephalic version: A randomized controlled trial. *Journal of Clinical Anesthesia*. 2021; 68:110073.
34. Martinelli SM, Isaak RS, Chidgey BA, Bullard TL, DiLorenzo A, Rebel A, **Chen F**. Family comes first: a pilot study of the incorporation of social support into resident well-being. *The Journal of Education in Perioperative Medicine: JEPM*. 2020;22(4).
35. Barnes RH, Shapiro JA, Woody N, **Chen F**, Olcott CW, Del Gaizo DJ. Reducing opioid prescriptions lowers consumption without detriment to patient-reported pain interference scores after total hip and knee arthroplasties. *Arthroplasty today*. 2020;6(4):919-24.
36. Cheng I, Powers K, Mange D, Palmer B, **Chen F**, Perkins B, Patterson S. Interprofessional education through healthcare hotspotting: Understanding social determinants of health and mastering complex care through teamwork. *Journal of Interprofessional Education & Practice*. 2020; 20:100340.
37. Lawrence MB, Keil DS, Maves GS, **Chen F**, Jones SW, Baboolal HA. improved intraoperative hemodynamics in burn surgery: an institutional change to pediatric-specific hemostasis solutions. *Journal of Burn Care & Research*. 2020 Feb;41(2):289-92.
38. Zisblatt L, Grantham AE, Dillman D, DiLorenzo AN, MacEachern MP, Juve AM, Peoples EE, **Chen F**. critical appraisal of anesthesiology educational research for 2018. *The Journal of Education in Perioperative Medicine: JEPM*. 2020 Jan;22(1).
39. Martinelli SM, Isaak RS, Schell RM, Mitchell JD, McEvoy MD, **Chen F**. Learners and luddites in the twenty-first century: bringing evidence-based education to anesthesiology. *Anesthesiology*. 2019 Oct;131(4):908-28.
40. **Chen F**, Carter TB, Maguire DP, Blanchard EE, Martinelli SM, Isaak RS. Experience is the teacher of all things: prior participation in anesthesiology OSCEs enhances communication of treatment options with simulated high-risk patients. *The Journal of Education in Perioperative Medicine: JEPM*. 2019;21(3): E626.
41. **Chen F**, Arora H, Zvara DA, Connolly A, Martinelli SM. Anesthesia myTIPreport: A web-based tool for real-time evaluation of accreditation council for graduate medical education’s milestone competencies and clinical feedback to residents. *A&A Practice*. 2019 Jun;12(11):412-5.
42. Zisblatt L, **Chen F**, Dillman D, DiLorenzo AN, MacEachern MP, Juve AM, Peoples EE, Grantham AE. Critical appraisal of anesthesiology educational research for 2017. *Cureus*. 2019;11(6): e4838.
43. Martinelli SM, **Chen F**, Mcevoy MD, Zvara DA, Schell RM. Utilization of the flipped classroom in anesthesiology graduate medical education: an initial survey of faculty beliefs and practices about active learning. *The Journal of Education in Perioperative Medicine: JEPM*. 2018;20(1): 1-15.
44. Isaak RS, **Chen F**, Martinelli SM, Arora H, Zvara DA, Hobbs G, Stiegler MP. Validity of simulation-based assessment for Accreditation Council for Graduate Medical Education milestone achievement. *Simulation in Healthcare*. 2018;13(3):201-10.
45. Isaak R, Stiegler M, Hobbs G, Martinelli SM, Zvara D, Arora H, **Chen F**. Comparing real-time versus delayed video assessments for evaluating ACGME sub-competency milestones in simulated patient care environments. *Cureus*. 2018;10(3): e2267.
46. Martinelli SM, **Chen F**, Hobbs G, Chidgey BA, Straube LE, Zvara D, Isaak R. The use of simulation to improve family understanding and support of anesthesia providers. *Cureus*. 2018;10(3).
47. **Chen F**, Andrade H. The impact of criteria-referenced formative assessment on fifth-grade students’ theater arts achievement. *The Journal of Educational Research*. 2018;111(3):310-9.

48. **Chen F**, Arora H, Martinelli SM, Teeter E, Mayer D, Zvara DA, Passannante A, Smith KA. The predictive value of pre-recruitment achievement on resident performance in anesthesiology. *Journal of Clinical Anesthesia*. 2017; 39:139-44.
49. Zhang R, Li D, **Chen F**, Ewalds-Kvist BM, Liu S. Interparental conflict relative to suicidal ideation in Chinese adolescents: The roles of coping strategies and meaning in life. *Frontiers in Psychology*. 2017; 8:1010.
50. Martinelli SM, **Chen F**, DiLorenzo AN, Mayer DC, Fairbanks S, Moran K, Ku C, Mitchell JD, Bowe EA, Royal KD, Hendrickse A. Results of a flipped classroom teaching approach in anesthesiology residents. *Journal of graduate medical education*. 2017;9(4):485-90.
51. Isaak RS, **Chen F**, Arora H, Martinelli SM, Zvara DA, Stiegler MP. A descriptive survey of anesthesiology residency simulation programs: how are programs preparing residents for the new American Board of Anesthesiology APPLIED certification examination?. *Anesthesia & Analgesia*. 2017 Sep;125(3):991-8.
52. **Chen F**, Lui AM, Martinelli SM. A systematic review of the effectiveness of flipped classrooms in medical education. *Medical education*. 2017;51(6):585-97.
53. **Chen F**, Arora H, Martinelli SM. Use of key performance indicators to improve milestone assessment in semi-annual Clinical Competency Committee meetings. *The journal of education in perioperative medicine: JEPM*. 2017;19(4):1-5.
54. **Chen F**, Lui AM, Andrade H, Valle C, Mir H. Criteria-referenced formative assessment in the arts. *Educational Assessment, Evaluation and Accountability*. 2017 Aug;29(3):297-314.
55. Willie C, **Chen F**, Joyner BL, Blasius K. Using high-fidelity simulation for critical event training. *Med Educ*. 2016;50(11):1161-2.
56. Isaak R, **Chen F**, Hobbs G, Martinelli SM, Stiegler M, Arora H. Standardized mixed-fidelity simulation for ACGME milestones competency assessment and objective structured clinical exam preparation. *Medical Science Educator*. 2016;26(3):437-41.
57. Brookhart SM, **Chen F**. The quality and effectiveness of descriptive rubrics. *Educational Review*. 2015; 67(3):343-68.
58. Brown GT, Andrade HL, **Chen F**. Accuracy in student self-assessment: directions and cautions for research. *Assessment in Education: Principles, Policy & Practice*. 2015;22(4):444-57.
59. Dai DY, **Chen F**. Three paradigms of gifted education: In search of conceptual clarity in research and practice. *Gifted child quarterly*. 2013; 57(3):151-68.
60. Brooke G, **Chen F**, Lui A, Valle C. Using a mixed-methods survey of alumni for program evaluation and improvement: A case study from a doctoral program in education. *The Researcher*. 2013;25(1):21-33.

REFEREED (PEER – REVIEWED) PRODUCTS OF SCHOLARSHIP (IN PRESS)

1. Doyal AS, Sweitzer B, Vander Ploeg M, Wnek R, An X, Nanda M, Serrano R, Blacker S, **Chen F**. Leveraging Artificial Intelligence in Anesthesiology Research and Manuscript Writing: Opportunities, Challenges, and Best Practices, *A&A Practice* (accepted 5/30/2025).
2. **Chen F**, Teeter E, Gaona A, Isaak R. Exploring how gender and race are related to the alignment of anesthesiology residents' self-assessments and faculty evaluation of clinical competencies. *The Journal of Education in Perioperative Medicine* (accepted 05/05/2025)
3. Powers K, Brandon, J, Tomberlin A, **Chen, F**, & Guo, Y. Eyes open: Students' experiences and perceptions of the Teaming Up for Community Health simulation intervention. *Nursing Education Perspectives* (accepted 3/28/2025).

Editorials/Letters/Infographics

1. Blacker SN, **Chen F**, Isaak RS. In Response. *Anesth Analg*. 2024 Nov 21. doi: 10.1213/ANE.0000000000007345. Epub ahead of print. PMID: 39773738.

2. **Chen F**, Belgique ST, Martinelli SM. In response to 'Educating the next generation: unprofessionalism in anesthesiology residency programs', *J Clin Anesth*. 2024 Nov;98:111592. doi: 10.1016/j.jclinane.2024.111592. Epub 2024 Aug 29.
3. **Chen F**, Martinelli SM, In response to 'Counting episodes of poor-quality faculty anesthesiologists' supervision and anesthesia residents' work habits among reported vignettes of insufficient professionalism'. *Journal of Clinical Anesthesia*. 2024 Aug; 95:111456. Epub 2024 Apr 3. (Invited)
4. **Chen F**, Chen W, Isaak R, Xu S. Acquire, curate, diversify: Staying current with key medical education literature. *Academic Medicine*. 2024; 99(2): 235.
5. **Chen F**, Isaak R, Steiner B, Martinelli S, COVID-19 impacts University of North Carolina medical students' perception of the future. *North Carolina Medical Journal*. 2021;82(1):84-85.
6. **Chen F**, Lui AM, Martinelli SM. In response to Vanneman et al. on studies on the effectiveness of flipped classrooms. *Medical Education*. 2018; 52(8): 877-877. (Invited)
7. **Chen F**, Martinelli SM, Arora H. Overnight call and cognitive functioning: Will tablet-based assessment be the solution for safety check in residents? *J Clin Anesth*. 2017; 40:123-124. (invited editorial)
8. Martinelli SM, **Chen F**, Hobbs GW, et al. You will never walk alone: A simulation experience for caregiver's family and friends. *Anesth Analg*. 2017;125(6):2171.

REFEREED (PEER-REVIEWED) OTHER PRODUCTS OF SCHOLARSHIP (PUBLISHED ABSTRACTS):

1. Martinelli SM, Isaak RS, Canter C, Meltzer-Brody S, Nichols K, Grewe M, **Chen F**. The Family Experience: A Family-Focused Support Intervention to Enhance Wellness in Undergraduate Medical Education. *Academic Medicine*. 2023; 98(11S):S180-S181
2. **Chen F**, Lee Y, Hubal R. Work-in-progress—testing of a virtual patient: Linguistic and display engagement findings. *2020 6th International Conference of the Immersive Learning Research Network (iLRN), IEEE*. 2020 Jun; 348-350.
3. **Chen, F.**, Stiegler, M., & Isaak, R. Global rating scores have a strong correlation to competence referenced checklist scores for OSCE. *Anesthesia & Analgesia*. 2017;124(5):1161
4. Stiegler, M. P, Martinelli, S., **Chen, F.**, Arora, H., Hobbs, G., & Isaak, R. Validity of simulation-based assessments for ACGME milestone achievement. *Simulation in Healthcare*. 2016; 11(6): 435
5. Isaak, R., Stiegler, M., **Chen, F.**, & Arora, H. Financial Analysis and Cost-Saving Strategy for a Large-Scale Objective Structured Clinical Exam for Residents. *Simulation in Healthcare*. 2016; 11(6): 487

REFEREED UNPUBLISHED ORAL PRESENTATIONS/ABSTRACTS:

Oral Presentations (Research):

1. **Chen F**, Owensby K, Belgique ST, Willie C, Mitchell J, Sullivan K, Boscardin CK, Jackson C, Martinelli SM (April, 2025). Key Themes Influencing Evaluation of Unprofessional Behavior in Anesthesiology Residency: A Qualitative Analysis of Trainee and Attending Assessments, Top Oral Abstract Presentations in the Designed Study category, Society for Education in Anesthesia Spring Meeting, Austin, TX.
2. Blacker S & **Chen F** (April, 2025). *The Impact of Additional Study Materials on Anesthesiology Residents' Performance in Mock Oral Board Examinations*, Idea Lab, Society for Education in Anesthesia Spring Meeting, Austin, TX.
3. Sun T, Park YS, **Chen F**, Hogan SO, Tanaka P (April, 2025). *Longitudinal Reliability of Milestones Learning Trajectories during Anesthesiology Residency*, Paper Session Oral Presentation, American Educational Research Association (AERA) Annual Meeting, Denver, Colorado.

4. Smith KL, Boggiano V, Blomberg BA, Wilson L, **Chen F**, Zwemer E (November, 2024) Just-in-Time Preceptor Development through Brief Asynchronous Modules. Association of American Medical Colleges 2024 Annual Academies Collaborative Meeting, Atlanta, Georgia.
5. **Chen F**, Belgique ST, Boscardin CK, Sullivan K, Willie C, Mitchell JD, Jackson C, Hawke S, Qaqish, BF, Martinelli SM (September, 2024). Perceptions of unprofessionalism: Assessing gender, racial, and generational influences. Theme-based Oral Presentation. The American Board of Medical Specialties (ABMS) Conference 2024, Chicago, IL.
6. Tanaka P, Sun T, **Chen F**, Hogan SO, Park YS. (August, 2024) National Study of Resident Milestones Assessment Systems in Anesthesiology Residency Training: Exploring Disparities by Gender and Race. Oral Presentation, World Summit in Competency-Based Education in Healthcare Professions, Basel, Switzerland
7. Kazior M, **Chen F**, Samouce C, Gravenstein N, Lampotang S, Martinelli S. (April, 2024). Development and Validation of an Online, Interactive Defibrillator Simulation for Advanced Cardiovascular Life Support Providers. Oral Presentation. Society for Education in Anesthesia (SEA) Spring Meeting, Philadelphia, PA.
8. Kazior M, **Chen F**, Martinelli S, Poudel A, Lizdas D, Lampotang S, Samouce C. (February, 2024) *Development and Validation of an Online, Interactive Defibrillator Simulation for Advanced Cardiovascular Life Support Providers*. Oral and Poster Presentation, University of Florida Department of Anesthesiology Celebration of Research Meeting, Gainesville, FL.
9. Martinelli SM, Isaak RS, Canter C, Meltzer-Brody S, Nichols K, Grewe M, **Chen F**. (November, 2023) *The family experience: A family-support intervention to enhance wellness in undergraduate medical education*. Innovation Abstract presentation, Learn Serve Lead 2023: The AAMC Annual Meeting, Seattle, WA.
10. **Chen F**, Belgique ST, Canter C, Boscardin CK, Willie C, Mitchell J, Sullivan K, Martinelli SM. (April, 2023). *Unprofessionalism in anesthesiology: Development of a framework of unprofessional behavior based on a multi-institutional vignette survey*. Top 3 oral abstract presentations in the scientific research category, Society for Education in Anesthesia Spring Meeting, Seattle, WA
11. Shaffer J, Teeter E, **Chen F**, Rojas A. (May, 2022). *Preoperative Ace Inhibitor and Angiotensin Receptor Blocker Therapy: Associations with Increased Vasopressin Use in Patients Undergoing Video Assisted Thoracoscopic Wedge Resection or Lobectomy*. Thoracic Anesthesia Symposium and Society of Cardiovascular Anesthesiologists Annual Meeting, Palm Springs, CA.
12. Barnes RH, Woody N, **Chen F**, Creighton RA, Kamath GV, Spang JT. (May, 2022). *Reducing Opioids Following Sports Procedures Lowers Consumption Without Impacting Pain*. Podium presentation at: Arthroscopy Association of North America Annual Meeting, San Francisco, CA
13. Barnes RH, Woody N, **Chen F**, Creighton RA, Kamath GV, Spang JT. (March, 2022). *Reducing Opioids Following Sports Procedures Lowers Consumption Without Impacting Pain*. Podium presentation at: American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL
14. Barnes RH, Woody N, **Chen F**, Creighton RA, Kamath G, Spang JT. (July, 2021). *Reducing Opioids Following Sports Procedures Lowers Consumption Without Impact Pain*. Oral Presentation, Southern Orthopaedic Association 38th Annual Meeting. Isle of Palms, SC.
15. Leopold R, Allred CA, Greenberg M, McNulty L, Flynn D, Bhatia M, **Chen F**. (October, 2020) *The Majority of ASA Physical Status Assessments are Incorrect without Education*. Oral presentation, presented at the American Society of Anesthesiologists national meeting, Virtual Meeting due to the COVID-19.
16. Bullard TL, Arora H, **Chen F** (April, 2020). *Improving Residents' Financial Literacy as an Essential Component of Wellness*. Oral Presentation as Top 3 Abstract, Innovative Curriculum, Society for Education in Anesthesia Spring Annual Meeting. Cancelled due to the COVID-19*

17. Hammond, B., Lim, D., Mai, C., **Chen, F.**, McDaniel, M., & Blasius, K. (March, 2019) *Ready, set, play: A multi-institutional study on empowering resident preparedness through pediatric anesthesia video tutorials*. Oral Presentation at the SPA/AAP Pediatric Anesthesiology, Houston, TX.
18. **Chen, F.**, Isaak, RS., Carter, T., & Maguire, DP. (April, 2018). *Could prior experience enhance resident performance in objective structured clinical examinations?* Research oral abstract presented at Society for Education in Anesthesia Spring Annual Meeting, Louisville, KY.
19. Martinelli, SM., **Chen, F.**, Rebel, A., Schell, R., Diloranzo, A., & Isaak, RS. (April, 2018) *A Family Focused Experience to Enhance Wellbeing of New Anesthesia Residents: CA-1 Wellness Orientation and Family Experience*. Innovative curriculum oral abstract presented at Society for Education in Anesthesia Spring Annual Meeting, Louisville, KY.
20. Grantham, A. & **Chen, F.** (April, 2018). *Competency-based assessment in graduate medical education: Challenges and recommendations*. Roundtable paper presented at the annual convention of the American Education Research Association (AERA), New York, NY.
21. Stiegler, M. P, Martinelli, S., **Chen, F.**, Arora, H., Hobbs, G., & Isaak, R. (January, 2017). *Validity of simulation-based assessments for ACGME milestone achievement (#24835)*. Scientific Research abstract presented at the 17th International Meeting on Simulation in Healthcare (IMSH 2017), Orlando, Florida.
22. Isaak, R., Stiegler, M., **Chen, F.**, & Arora, H. (January, 2017) *Financial Analysis and Cost-Saving Strategy for a Large-Scale Objective Structured Clinical Exam for Residents*. Program Innovation abstract presented at the 17th International Meeting on Simulation in Healthcare (IMSH 2017), Orlando, Florida.
23. **Chen, F.**, Hobbs, G. Martinelli, S.M., Stiegler, M., Arora, H., Bortsov, A., & Isaak R. (November, 2016). *Delayed Video Evaluations are Effective for Assessing Milestones in a Simulated Patient Care Environment*. Research oral abstract presented at the 2016 AAMC Annual Meeting, Seattle, WA.
24. **Chen, F.**, Arora, H., Martinelli, S. M., Mayer, D., Passannante, A., Smith, K. (June, 2016). *The Predictive Value of Pre-Recruitment Academic Achievement on Resident Performance in Anesthesiology*. Research oral abstract presented at Society for Education in Anesthesia Spring Annual Meeting, Baltimore, MD.
25. Dai, D. Y., & **Chen, F.** (November, 2013). *Toward a paradigmatic approach to research in gifted education*. Presentation at the National Association for Gifted Children annual convention, Indianapolis, IN.

Posters:

1. Powers K, Tomberlin A, Brandon J, **Chen F**, Guo Y (June, 2025). *Teaming Up for Community Health Simulation Intervention: Mixed Methods Evaluation*, Poster presentation, International Nursing Association for Clinical Simulation and Learning (INACSL), Denver, Colorado.
2. Jenkins H, Gaona A, Martinelli S, **Chen F** (June, 2025). *Factors Influencing Survey Response Rates among Anesthesiology Program Directors: A Scoping Review*. Post Presentation. UNC SOM Academy of Educators (AOE) Evening of Scholarship, Chapel Hill, NC.
3. Stone H, Zimmerman P, **Chen F**, Cobb B (June, 2025). *Are Anesthesiology Residents Meeting the Bar? Comparing Resident Knowledge and Self-Efficacy to Published Palliative Care and Anesthesiology Competencies*, Poster Presentation, UNC SOM AOE Evening of Scholarship, Chapel Hill, NC.
4. Shankar N, Krawchuk L., Chen F, Prestrud A, Acton J, Felix A, Lau W, Raff E, Scherrer K, Strohm T (March, 2025). *Improving Lumbar Puncture Training through Ultrasound Guidance*. Poster Presentation, UNC SOM AOE Evening of Scholarship, Chapel Hill, NC.
5. Stone H, Zimmerman P, **Chen F**, Cobb B (April, 2025). *Are Anesthesiology Residents Meeting the Bar? Comparing Resident Knowledge and Self-Efficacy to Published Palliative Care and Anesthesiology Competencies*, Poster Presentation, Society for Education in Anesthesia Spring Meeting, Austin, TX.
6. Shankar N, Krawchuk L., Chen F, Prestrud A, Acton J, Felix A, Lau W, Raff E, Scherrer K, Strohm T (March, 2025). *Improving Lumbar Puncture Training through Ultrasound Guidance*. Poster Presentation, North Carolina Neurological Society Annual Meeting, Durham, NC.

7. **Chen F**, Tarantino H, Enarson C, Applegate H, Coe CL (October, 2024). *Fully Integrated Readiness for Service Training (FIRST): Enhancing the Continuum from Medical School to Residency to Practice*. Poster Presentation. American Medical Association (AMA) ChangeMedEd Fall Consortium Meeting, Chicago, IL.
8. **Chen F**, Teeter E, Gaona A, Isaak R (September, 2024). *Exploring the relationship between demographic factors and accuracy of anesthesiology residents' self-assessments of clinical competencies*. Poster Presentation. The ABMS Conference 2024, Chicago, IL.
9. Martinelli SM, Tran TN, Canter C, Isaak RS, Afroze F, Mulaikal T, Ladlie B, Jain A, Willie C, Stahl D, Carter T, Zisblatt L, Hoefnagel A, Marshall J, Collins S, Keneally R, Martin T, Chen F. (May, 2024). *Educating Anesthesiology Residents and their Support Persons to Improve Relationships and Increase Wellness: A multi-site study*. Post Presentation. UNC SOM Academy of Educators Evening of Scholarship, Chapel Hill, NC.
10. Blacker S, Chen F, Winecoff D, Isaak RS. (May, 2024). *Comparing ChatGPT vs. Human Performance on the Anesthesiology Oral Board Exam*. Post Presentation. UNC SOM Academy of Educators Evening of Scholarship, Chapel Hill, NC.
11. Martinelli SM, Tran TN, Canter C, Isaak RS, Afroze F, Mulaikal T, Ladlie B, Jain A, Willie C, Stahl D, Carter T, Zisblatt L, Hoefnagel A, Marshall J, Collins S, Keneally R, Martin T, **Chen F**. (March, 2024). *Educating Anesthesiology Residents and their Support Persons to Improve Relationships and Increase Wellness: A multi-site study*. Poster presentation, Association for University Anesthesiologists (AUA) meeting, St. Louis, MO.
12. Congleton S, Chen F, Teeter E, & Isaak R. (November, 2023). *Identifying Factors influencing Anesthesiology Residents Self-Evaluation of ACGME Core Competencies*. Poster presentation, John B. Graham Research Society, Chapel Hill, NC.
13. Powers K, & **Chen F** (September, 2023). *Mixed methods study of Teaming Up for Community Health simulation intervention*. Virtual poster with flip presentation. National Center for Interprofessional Practice and Education NEXUS Summit.
14. Coe C, Applegate H, Colcord C, Poston J, Hughes M, Latessa R, Pino J, **Chen F**. (June, 2023). *Towards Precision Education: Lessons from an Accelerated Medical Pathway Program*. Poster presentation, IAMSE Meeting, Cancun, Mexico.
15. Trivedi J, **Chen F**, McMillan D, Jolly M, Allan J, Coombs R, Nanda M, Isaak R, An X, Grant S, Rojas A (April, 2023). *Beyond the Block: Development of an Assessment Tool to Evaluate Communication and Interpersonal Skills in Regional Anesthesia*. Poster presentation. Annual Regional Anesthesiology and Acute Pain Medicine Meeting ASRA Pain Medicine., Hollywood, FL.
16. **Chen F**, Belgique ST, Canter C, Boscardin CK, Willie C, Mitchell J, Sullivan K, Martinelli SM. (April, 2023). *Unprofessionalism in anesthesiology: Development of a framework of unprofessional behavior based on a multi-institutional vignette survey*. Poster presentations in the scientific research category, Society for Education in Anesthesia Spring Meeting, Seattle, WA.
17. Kazior M, Shah P, **Chen F**. (April, 2023). *Booster Sessions for Perioperative ACLS Improves Management of OR Megacodes in Novice Anesthesia Residents*. Poster presentations in the scientific research category, Society for Education in Anesthesia Spring Meeting, Seattle, WA.
18. Brandon, J., Powers, K., & **Chen, F**. (October, 2022). *Teaming Up for Community Health (TUCH): A mixed methods study*. Poster presentation at 16th Annual South Eastern Nurse Educator Symposium, Asheville, NC.
19. **Chen F**, Stiegler M, Martinelli S, Arora H, Isaak R (April, 2022). *No miracles in two minutes: Preparatory expansive posturing has no impact on anesthesiology residents' performance in mock oral examinations*. Poster presentation in the scientific research category, 2022 SEA Annual Meeting.
20. **Chen F**, Powers K, Al-Kadhi F, Goetzinger AM, Patidar S, Moulthrop AJ, Pamacheche C, Martinelli SM (Nov, 2021). *A wakeup call: Shaping empathetic practice in medicine using book club*. Poster, 2021 UNC SOM Wellness Scholarship Expo. Virtual.

21. McKenzie CP, **Chen F**, Straube L, Johnson J, Stuebe AM, Cobb BC. (May, 2021). *Evaluating Racial/Ethnic Inequities in the Utilization of Liposomal Bupivacaine Truncal Blocks following Cesarean Delivery*. Poster Presentation. SOAP 53rd Annual Meeting. Virtual Format.
22. Martinelli SM, Isaak RS, Ehlers M, Mulaikal T, Licatano L, Ladlie B, Jain A, Willie C, Bairde E, Hayes B, Carter T, Zisblatt L, Diachun C, Martin T, Marshall J, Huffmyer J, Hindle K, **Chen F**. (April, 2021). *Unexpected Minimal Impact of COVID-19 on Anesthesiology Resident Well-being*. Post Presentation. International Conference on Physician Health (ICPH) 2021 Annual Meeting. Virtual.
23. Gray L, **Chen F**, Teeter E, Kolarczyk L, Smeltz A. (April, 2021). *Evaluation of Simpson's Method to Determine Left Ventricular Ejection Fraction Using the Transgastric Two-chamber View*. Scientific Program Poster Presentation. Society of Cardiovascular Anesthesiologists (SCA) Annual Meeting and Thoracic Anesthesiology Symposium. Virtual Meeting.
24. Kazior, M, **Chen, F**, Isaak, R, Shah, P, and Cobb, K. (April, 2021). *A Simulation and Procedural Skills Bootcamp Improves Resident's Perceptions on Transitioning to Clinical Anesthesiology Training*. Poster Presentation. Society for Education in Anesthesia (SEA) Spring Meeting, Virtual.
25. Bullard TL, Arora H, **Chen F** (April, 2021). *Improving Residents' Financial Literacy as an Essential Component of Wellness*. Poster Presentation, Innovative Curriculum, Society for Education in Anesthesia Spring Annual Meeting. Virtual.
26. Barton J, **Chen F**, Chew CY, Ross E, Ross S, Low A. (April, 2021) *Diverging Streams: Moving from Caudal to Ultrasound-guided Pudendal Blocks for Hypospadias Repair, an Outcomes Review at a Single Medical Institution*. Moderated Poster presentation, SPPM Virtual 8th Annual Meeting. Virtual Format.
27. Barton J, **Chen F**, Chew CY, Ross E, Ross S, Low A. (February, 2021) *Diverging Streams: Moving from Caudal to Ultrasound-guided Pudendal Blocks for Hypospadias Repair, an Outcomes Review at a Single Medical Institution*. Moderated Poster presentation, presented at the combined virtual conference presented by the Society of Pediatric Anesthesia and American Academy of Pediatrics Section on Anesthesiology and Pain Medicine, February 25-28, 2021.
28. **Chen F**, Lee Y, Hubal R. (June, 2020) *Testing of a Virtual Patient: Linguistic and Display Engagement Findings*, presented as a Work-in-Progress Paper. iLRN 2020 virtual conference online and in virtual reality.
29. Tybout C, Rojas A, **Chen F**, Teeter EG (April, 2020). *Preoperative Ace Inhibitor and Angiotensin Receptor Blocker Therapy: Associations with Increased Vasopressor Use in Patients Undergoing Video Assisted Thoracoscopic Wedge Resection or Lobectomy*. Poster Presentation, Society of Cardiovascular Anesthesiologists Annual Meeting and Thoracic Anesthesia Symposium. Cancelled due to the COVID-19*
30. Lawrence MB, Keil DS, Maves GS, **Chen F**, Jones SW, Baboolal HA (Feb, 2020). *Unexpected Reduction in Surgical Blood Loss after Safety Intervention*. Poster Presentation, Society for Pediatric Anesthesia Annual Meeting, Bahamas.
31. Lawrence MB, Steiner, MJ, **Chen .**, Blasius KR (October, 2019). *What Matters? Teaching Pediatric Residents How to Effectively Perform Preoperative Clinic Assessments*. Poster presented at the American Society of Anesthesiologists national meeting on Monday, October 21, Orlando, FL.
32. Lawrence, MB, Steiner MJ, **Chen F**, Blasius KR (October, 2019). *What Matters? Teaching Pediatric Residents How to Effectively Perform Preoperative Clinic Assessments*. Featured abstract presented at the American Society of Anesthesiologists national meeting on Sunday, October 20, Orlando, FL.
33. Martinelli, S.M., **Chen, F.**, & Isaak, R. (May 2019). *The family experience: A family focused support intervention to enhance wellness in undergraduate medical students*. Poster presentation at the Academy of Educators Evening of Scholarship, Chapel Hill, NC.
34. King, A., **Chen, F.**, & Blasius, K. (May 2019). *Metaiodobenzylguanidine iodine-131 anxiolysis sedation preparation through use of High Fidelity Simulation-based education*. Poster presentation at the SPS 2019 Annual Conference at The Hyatt Regency in Aurora, CO, May 20-22, 2019.

35. Leopold, R., Golden, L., Bullard, T., Spang, J., **Chen, F.** (May 2019). *Reduction of Femoral Nerve Block Administration for Arthroscopic Anterior Cruciate Ligament Reconstruction*. Research poster presented at Society of Ambulatory Anesthesia Annual Meeting. Austin, TX.
36. Rose, K.M., Hill, A.A., Rojas, A.F., Snow, E., Myers, S., **Chen, F.**, Hobbs, G., Isaak, R.S., Kolarczyk, L.M., & Henry, M.E. (October, 2018) *A Simulation Study to Evaluate Improvements in Pacu Nstemi Response Following Implementation of A Clinical Pathway*. Research poster presented at the Anesthesiology Annual Meeting, San Francisco, CA.
37. Park, J., Yang, J., Doerr, P., C., Marvi, N., **Chen, F.** Passannante, A. N., Arora, H. (October, 2018). Trying to Stay Warm: A Quality Improvement Project to Prevent Perioperative Hypothermia in a Hybrid Operating Room. Research poster presented at the Anesthesiology Annual Meeting, San Francisco, CA.
38. Kazemi, A., **Chen, F.**, Isaak, R. (April, 2018). *OSCE Simulation in Assessment of Efficacy of Training in Regional Anesthesiology*. Poster presented at 2018 World Congress on Regional Anesthesia & Pain Medicine, New York, NY.
39. **Chen, F.**, Stiegler, M., & Isaak, R. (May, 2017). *Global Rating Scores Have a Strong Correlation to Competence Referenced Checklist Scores for OSCE*. Poster presented at International Anesthesia Research Society 2017 Annual Meeting and International Science Symposium, Washington, DC.
40. **Chen, F.**, Harendra, A., Martinelli, S.M. (April, 2017). *Use of Key Performance Indicators for Milestone Assessment In Semi-Annual Clinical Competency Committee Meetings*. Poster presented at Society for Education in Anesthesia Spring Annual Meeting, Jacksonville, FL.
41. Martinelli, S. M., **Chen, F.**, Arora, H., Zvara, D., Connolly, A. (April, 2017). *Implementing a Technology-Based Cognitive Aid for Feedback in Accordance with ACGME Milestone Competencies in Anesthesiology*. Poster presented at Society for Education in Anesthesia Spring Annual Meeting, Jacksonville, FL.
42. Wang, X., Lim, H., & **Chen, F.** (April 2017). *Application of Propensity Score Analysis in Linking without Anchor Items*. Poster presented at the annual convention of American Education Research (AERA), San Antonio, TX.
43. **Chen, F.**, & Andrade, H. L. (April, 2016). The Impact of Criteria-Referenced Formative Assessment on Fifth-Grade Students' Theater Arts Achievement. Poster presented at the annual convention of the American Education Research Association (AERA), Washington, DC.
44. **Chen, F.**, & Lui, Angela, M. (April, 2015). *The Role of Instructional Practices and Socio-Economic Status in US 4th Grade Mathematics Achievement on TIMSS 2011*. Poster presented at the annual convention of the American Education Research Association (AERA), Chicago, IL.
45. **Chen, F.**, Olivera-Aguilar, M., Rikoon, S., Jackson, T., Robbins, S. B. (April, 2015). Quasi-experimental study of the effect of course acceleration on student success in college mathematics courses, Poster presented at the annual convention of the American Education Research Association (AERA), Chicago, IL.
46. Valle, C., Lui, Angela, M., **Chen, F.**, & Andrade, H. L. (April, 2015). An Empirical Investigation of Criteria-Referenced Formative Assessment in the Arts: Year Two. Poster presented at the annual convention of the American Education Research Association (AERA), Chicago, IL.
47. **Chen, F.**, & Tobias, S. (April, 2014). *Cognitive processes in adapting to unexpected changes: The role of metacognitive monitoring*. Poster presented at the annual convention of the American Education Research Association (AERA), Philadelphia, PA.
48. Andrade, H., **Chen, F.**, Lui, A., Mir, H. & Valle, C. (April, 2014). *An empirical investigation of criteria-referenced formative assessment in the arts*. Paper presented at the annual convention of the American Education Research Association (AERA), Philadelphia, PA.
49. Warner, Z., **Chen, F.**, & Andrade, H. (October, 2012). *Student self-assessment in middle school mathematics: A pilot study*. Paper presented at the annual meeting of the Northeastern Educational Research Association, Rocky Hill, CT.

Workshops/Talks:

1. **Chen F**, Anesthesiology and AI - Education applications, AI Interest Group Kickoff Meeting, Department of Anesthesiology, UNC, April 8, 2025
2. **Chen F**, Huggett K, Jeffe D, Miller JL, O'Brien C, Pusic M, Wyatt T. What Can Be: A Structured Discussion Framework to Explore a Changing World for Medical Education Research, Methodology Workshop, Society of Directors of Research in Medical Education (SDRME) Summer Meeting, Kansas City, MO, Jun 1, 2025
3. Moore A, **Chen F**. Finding the Right Journal for Your Medical Education Scholarship, Workshop, Society for Education in Anesthesia Spring Meeting, Austin, TX, April 5, 2025
4. Zisblatt L, Moquin R, **Chen F**, Miller Juve M. Make It Count Twice or Thrice: Using a Scholarship Mindset to Maximize Educational Impact and Enhance Career Advancement, Workshop, Society for Education in Anesthesia Spring Meeting, Austin, TX, April 4, 2025
5. **Chen, F**. Moderator, AOE Project ACCESS: Making the Scholarly Publication Process Accessible in Biomedical and Medical Education Research, UNC SOM Academy of Educators, Chapel Hill, NC, February 27, 2025 (Hybrid)
6. **Chen, F**. Moderator, AOE Project ACCESS: Kathleen Rao Education Scholarship Grant Panel Discussion, UNC SOM Academy of Educators, Chapel Hill, NC, December 17, 2024 (Virtual)
7. **Chen, F**. Program faculty and session speaker, Round Tables: Research, Association of Anesthesiology Program Administrators and Educators (AAPAE) Concurrent Session, Society of Academic Associations of Anesthesiology & Perioperative Medicine (SAAAPM) Annual Meeting, Chicago, IL, Nov 8, 2024, Chicago, IL, Nov 9, 2024. (Invited)
8. **Chen, F**. Engaging in Self-Care and Seeking Appropriate Support, SNAP Talks, Association of Anesthesiology Program Administrators and Educators (AAPAE) Concurrent Session, Society of Academic Associations of Anesthesiology & Perioperative Medicine (SAAAPM) Annual Meeting, Chicago, IL, Nov 8, 2024. (Invited talk)
9. Moquin R, **Chen F**, Zisblatt L, Miller Juve A. Developing a Professional Identity as an Educator through the Clinical Educator Milestones. Society for Education in Anesthesia Fall Meeting, Chicago, IL. November 7, 2024.
10. **Chen F**, Miller J, O'Brien C, Pusic M, Wyatt T. Equity in Medical Education: Overcoming Legislative Barriers to Diversifying the Workforce. Society of Directors of Research in Medical Education (SDRME) Summer Meeting, Portland, OR, Jun 10, 2024
11. **Chen F**. Faculty discussant, Idea Lab Lunchtime Breakout: Research, Society for Education in Anesthesia Spring Meeting, Philadelphia, PA, April 20, 2024 (Invited)
12. **Chen, F**. Moderator, Research Oral Abstract Presentations, Society for Education in Anesthesia Spring Meeting, Philadelphia, PA, April 20, 2024 (Invited)
13. **Chen F**, Jackson C, Miller Juve A, Moquin R, Zisblatt L. Workshop presenter, Debunked Learning Styles...Now What? Using Evidence-Based Instructional Practices to Support Learning, Society for Education in Anesthesia Spring Meeting, Philadelphia, PA, April 19, 2024
14. **Chen F**, Hugget K, Jeffe D, Pusic M. Examining Systemic Bias in our Medical School Assessments: Applying Evidence-Informed Guidelines to Address and Research Systemic Bias, Society of Directors of Research in Medical Education (SDRME) Summer Meeting, New Orleans, LA, Jun 5, 2023
15. **Chen F**, Moquin R, Zisblatt L, Strutz P. Program faculty, workshop presenter/moderator, Overcoming Common Roadblocks to Medical Education Research, Society for Education in Anesthesia Spring Meeting, Seattle, WA, April 15, 2023
16. Cerza D, **Chen F**, Mitchell J, Sakai T. Program faculty, workshop presenter/moderator, Abstract to Publication – Turning your Education Projects into Publishable Scholarship, Society for Education in Anesthesia Spring Meeting, Seattle, WA, April 15, 2023

17. **Chen, F.** Program faculty and session moderator, SNAP Talks, Association of Anesthesiology Program Administrators and Educators (AAPAE) Concurrent Session, Society of Academic Associations of Anesthesiology & Perioperative Medicine (SAAAPM) Annual Meeting, Chicago, IL, Nov 11, 2022. (Invited)
18. **Chen, F.** Program faculty and session speaker, Round Tables: Step-by-Step How to Write an Abstract, AAPAE Concurrent Session, SAAAPM Annual Meeting, Chicago, IL, Nov 11, 2022. (Invited)
19. **Chen F**, Jackson C, Miller Juve A, Moquin R, Zisblatt L. Program faculty, workshop presenter/moderator, Let's Play! Fun Games to Learn Serious Skills for Impacting Team Dynamics, Society for Education in Anesthesia Fall Meeting, Chicago, IL, Nov 10, 2022
20. Society of Directors of Research in Medical Education (SDRME) Diversity, Equity, and Inclusion Special Interest Group: Jeffe D, Pusic M, Wyatt T, Sawning S, McKee A, Blanco M, **Chen F**, Horsley T, Hugget K. A Case-Based Discussion of Collecting and Analyzing Medical Learner Data With a DEIJ Lens. Given at SDRME Summer Meeting, Burlington, VT, Jun 14, 2022
21. McKee AC, O'Sullivan PS, Blanco MA, Huggett KN, Pusic M, Wyatt TR, Sawning S, **Chen F**, Jeffe DB, Horsley T. workshop instructor/moderator, Framing Diversity, Equity, Inclusion, and Justice Research Practices Across Professions, American Educational Research Association (AERA) annual convention, Apr 24, 2022, Division I Virtual session
22. **Chen, F.** Program faculty and session moderator, SNAP Talks, Association of Anesthesiology Program Administrators and Educators (AAPAE) Concurrent Session, Society of Academic Associations of Anesthesiology & Perioperative Medicine (SAAAPM) Annual Meeting, Nov 5, 2021, Virtual session due to COVID. (Invited)
23. **Chen, F.** Program faculty and session speaker, Round Tables: Step-by-Step How to Write an Abstract, AAPAE Concurrent Session, SAAAPAM Annual Meeting, Nov 5, 2021, Virtual session due to COVID. (Invited)
24. Society of Directors of Research in Medical Education (SDRME) Diversity, Equity, and Inclusion Special Interest Group: Jeffe DB, Pusic M, Wyatt T, Sawning S, McKee A, Blanco M, **Chen F**, Horsley T, O'Sullivan P. What is the role of a Medical Education Research Director in DEI efforts at Academic Health Centers? Given at: SDRME Summer Meeting, Virtual Workshop, June 7-9, 2021.
25. **Chen, F.** Session Facilitator, American Medical Association (AMA) Accelerating Change in Medical Education February Thematic Discussion Series: Supporting Medical Educators during Disruption and Beyond. Fostering Individual Educator Resilience, March 1st, 2021. Virtual. (Invited)
26. **Chen, F.** Program faculty and session moderator, Small Group Discussion Breakouts for Educators, AAPAE Concurrent Session, SAAAPM Annual Meeting, Nov 6, 2020, Virtual session due to COVID. (Invited)
27. **Chen, F.** Program faculty and session moderator, AAPAE SNAP Chats/Breakout Preview, Oct 23, 2020, Virtual session due to COVID. (Invited)
28. **Chen, F.** Program faculty and session moderator, The Role of the Non-Physician Educators in Growing Scholarly Output, Society for Education in Anesthesia Fall Meeting, Virtual meeting due to COVID, April, 2020. (Invited)
29. **Chen, F.** Program faculty and session moderator, Data Visualization, AAPAE Concurrent Session, SAAAPM Annual Meeting, Chicago, Illinois, USA, Nov, 2019 (Invited)
30. **Chen, F.** Program faculty and session moderator, Starting in Research/Career Advancement for Scholars/Educators, AAPAE Concurrent Session, SAAAPM Annual Meeting, Chicago, Illinois, USA, Nov, 2019 (Invited)
31. **Chen, F.** Program faculty and session facilitator, Best of the Year, Society for Education in Anesthesia Spring Meeting, Denver, Colorado, USA, Apr, 2019. (Invited)

OTHER

1. Martinelli SM, **Chen F**, Chidgey BA, Zvara DA, Isaak RS. Simulation exercise improved family understanding and support of anesthesia providers. STEPS Forward. April 2, 2020. Accessed April 9, 2020. <https://edhub.ama-assn.org/steps-forward/module/2763263>
2. Tobias, S., Fletcher, J. D., & **Chen, F.** (2015). Digital games as educational technology: promise and challenges in the use of games to teach. Educational Technology. 55(5), 3-12.
3. **Chen F.**, & Andrade H. (2015). Authentic Assessment. In R.Gunstone (Ed.) Encyclopedia of Science Education: SpringerReference (www.springerreference.com). Springer-Verlag Berlin Heidelberg, 2013. DOI: 10.1007/SpringerReference_302881 2013-08-21 13:59:31 UTC
4. **Chen, F.** & Andrade, A. (2013). Promoting reflection and revision: Formative uses of rubrics in the classroom. The Indian Journal of Educational Assessment. 3(1), 6-15. New Delhi: India.(Invited)

TEACHING ACTIVITIES

Course Director:

2020-present

Academic Medicine Rotation (AMR) Co-director

This curriculum provides comprehensive exposure to necessary non-patient contact related physician skills. Topics centered around four domains: critical appraisal of literature of literature, quality improvement, professional development, and teaching.

Duration: 5 weeks #Anesthesiology First Post-Graduate Year (PGY1)

LECTURES

LECTURES TO RESIDENTS

Department of Anesthesiology, University of North Carolina

2022 – present	Instructor, Basic Board Prep Session: Mathematics, Department of Anesthesiology, UNC at Chapel Hill (Reoccurring annual session)
2016 – present	Instructor, Abstract Writing Workshop and Brainstorm, Academic Medicine Rotation (AMR), Department of Anesthesiology, UNC at Chapel Hill (Reoccurring annual session)
2015 – present	Instructor, Review of Study Designs and Smart Searching, AMR, Department of Anesthesiology, UNC at Chapel Hill (Reoccurring annual session)
2015 – present	Instructor, Quality Improvement Statistics, AMR, Department of Anesthesiology, UNC at Chapel Hill. (Reoccurring annual session)
2015 – present	Instructor, Narrow down QI project group discussion (Reoccurring annual session)
2015 – 2022	Instructor, Writing an Abstract, AMR, Department of Anesthesiology, UNC at Chapel Hill (Reoccurring annual lecture)
2019	Instructor, Designing a QI Poster, AMR, Department of Anesthesiology, UNC at Chapel Hill
2015 – 2019	Instructor, PowerPoint Presentations, AMR, Department of Anesthesiology, UNC at Chapel Hill (Reoccurring annual lecture)

CONTINUING EDUCATION LECTURES (UNC)

06/23/2025	“Biomedical and Medical Education Scholarship” with Layton R Academy of Educators Teaching Bootcamp 2.0, UNC School of Medicine (invited, annually in Spring)
04/08/2025	“TEACHER Lab” with Martinelli S. Faculty Development Seminar Series Lecture, Department of Anesthesiology (Invited)

Spring 2023 – Spring 2024	“Medical Education Scholarship” with Layton R, Martinelli S Academy of Educators Teaching Bootcamp 2.0, UNC School of Medicine (invited, annually in Spring)
Fall 2021 – present	“Starting an Educational Research Project” Academy of Educators FLAGship (Faculty/Fellow Leadership and Growth) Program Workshop, School of Medicine (Invited, annually)
04/26/2024	“Staying Current with Key Medical Literature” Neurocritical Care Didactics Department of Neurology, UNC Health (invited)
02/14/2024	“Workplace Diversity and Team Dynamics” Department of Anesthesiology Grand Round Presentation (along with Skye Margolies, Seema Patidar, Amy Goetzinger, Samuel Blacker, Annika Webb, Caryn Hertz)
01/20/2022	“Want to Get Published? How to Turn the Educational Work You are Already Doing into Scholarly Projects” Faculty Development Seminar Series Lecture, Department of Anesthesiology (Invited)
04/19/2021	“Want to Get Published? How to Turn the Educational Work You are Already Doing into Scholarly Projects” Academy of Educators Scholarship Workshop, School of Medicine (Invited)
11/05/2020	“Want to Get Published? How to Turn the Educational Work You are Already Doing into Scholarly Projects” Faculty Development Seminar Series Lecture, Department of Anesthesiology (Invited)
03/11/2020	“Lecture and Discussion – My Journey into Educational Research” with Susan Martinelli, Academy of Educators, School of Medicine (Invited)

CONTINUING EDUCATION LECTURES (OUTSIDE UNC)

06/27/2024	“Acquire, Curate, Diversify: Staying Current with Key Medical Education Literature” <i>Chat, Listen, Learn</i> , Brigham Education Institute (BEI), Harvard Medical School (invited, special guest discussant)
04/21/2024	“Best of the Year” Society for Education in Anesthesia Spring Meeting, Philadelphia, PA (with Drs. Dawn Dillman, Rachel Moquin, Danielle Saab, & Lara Zisblatt, Invited)
12/04/2023	“Strategies and Tactics to Conduct Mixed Methods Education Research” with Dr. Matthew Weinger Association for University Anesthesiologists (AUA) eLearning 2023 Webinar Series. (invited)
04/25/2023	Application of Realist Evaluation. AMA ChangeMedEd Reimagining Residency Evaluation Meeting, Chicago, IL. (invited)
09/14/2021	“Anesthesia Education in the Time of COVID” International Anesthesia Research Society (IARS)

Virtual Education Webinar Society for Education in Anesthesia (SEA) Panel (along with John Mitchell, Susan Martinelli, Julie Huffmyer, Sara Neves, solicited)

10/01/2020

“Less’ Traditional Publishing Avenues”
Panel session with Jed Wolpaw, MD, MEd and Steven Shafer, MD, Society for Education in Anesthesia Fall Meeting, Virtual meeting due to COVID. (Invited)

INTERVIEWS

05/13/2021

AOE Engage: The Podcast. From the University of North Carolina at Chapel Hill School of Medicine. <https://anchor.fm/uncaoe/episodes/9-Fei-Chen-e10pcna>

MENTORSHIP EXPERIENCES

Society for Education in Anesthesia (SEA)

07/2023-06/2024

Mentor, Dr. Oluwakemi (Kemi) Tomobi at West Virginia University, SEA Research Mentorship Program (second term)

07/2022-06/2023

Mentor, Dr. Oluwakemi (Kemi) Tomobi at Johns Hopkins University, SEA Research Mentorship Program

University of North Carolina

09/2024 -

Master of Education in Medical Education Degree Thesis Mentor, Koyal Jain, MD, Associate Professor of Medicine, UNC

Department of Anesthesiology, University of North Carolina

01/2025-

Mentor, Hailey Raeann Jenkins, 2nd year medical student

06/2023

Mentor, Seidah Congleton, 2023 Castillo Scholar

07/2021- 05/2023

Mentor, Samuel Taketo Belgique, 4th year medical student Anesthesiology Research Rotation. Received DRE Student Research Travel Award in Feb 2023

05/2021-06/2021

Mentor, Sania Rahim, 4th year medical student Anesthesiology Research Rotation

GRANTS (EDUCATION RESEARCH)

ACTIVE

07/01/2025 – 06/31/2028

Enhancing Competency-Based Assessment: An AI-Powered, Real-Time Support System for Personalized Trainee Feedback
Funding: Curricular Innovation Grant: Enhancing Competency-Based Assessment, School of Medicine, University of North Carolina, \$100,000
Role: Principal Investigator, 0% FTE effort

06/05/2025 – 05/31/2026

Impact of Work-Life Integration on Teaching Amongst Junior Physicians with Children
Funding: UNC SOM Academy of Educators Kathleen Rao Educational Scholarship Grant. (PI: Koyal Jain), \$4,452
Role: Co-Principal Investigator/Mentor, 0% FTE effort

07/01/2024 – 06/30/2026

Development and Effect of an Electronic Learning Module on Defibrillator Competence in Anesthesia Providers

Funding: The Foundation for Anesthesia Education and Research (FAER) (PI: Michael Kazior, Richmond Institute for Veterans Research), \$100,000
Role: Co-Investigator, 0% FTE effort

01/01/2024 - 12/30/2026 INSPECT (Improvement in the Scope and Precision of Educational Cases for Trainees): Phenotyping the Clinical Experience of Trainees Using Electronic Health Records
Funding: The Foundation for Anesthesia Education and Research (FAER), FAER-ABA Research in Education Grant (REG) (PI: Matthew Caldwell, University of Michigan), \$100,000
Role: Collaborator, 0% FTE effort

11/03/2023-12/31/2025 Unprofessional Behavior in Residency Education: Developing a Taxonomy and Assessing Gender, Racial and Generational Differences in Perception
Award: The American Board of Medical Specialties Research and Education Foundation ("ABMS-REF") 2023-2024 ABMS Visiting Scholars Program™ ("VSP"), \$15,000
Role: Principal Investigator, 0% FTE effort

01/01/23 – 07/31/2025 Fully Integrated Readiness for Service Training (FIRST)
Funding: Reimagining Residency Initiative, American Medical Association (AMA). (PI: Catherine L. Coe), \$1.8 million
Role: Evaluator, 10% FTE effort

COMPLETED

01/01/2024 – 12/31/2024 Using Virtual Reality for Teaching Clinical Procedures, Assessing Skills and Enabling Self-Paced Deliberate Practice
Funding: Junior Faculty Development Award, funded by IBM and R.J. Reynolds Industries Inc., Office of the Provost, University of North Carolina, \$10,000
Role: Principal Investigator, 0% FTE effort

10/01/2022-09/30/2023 E-Learning Module for Advanced Cardiovascular Life Support (ACLS) Defibrillator Management
Funding: United States Veterans Health Administration (VHA) Innovators Network; Spark-Seed-Spread (PI, Michael Kazior, Virginia Commonwealth University), \$20,000
Role: Co-Principal Investigator, 0% FTE effort

09/01/2019-06/30/2023 Family Anesthesia Experience: Educating Residents and their Support Persons to Improve Relationships and Increase Wellness
Funding: Joy in Medicine Practice Transformation Initiative, American Medical Association (AMA). (PI: Susan M Martinelli), \$50,367
Role: Co-Principal Investigator, 0% FTE effort

07/01/2018-12/30/2022 The Family Experience: A Family Focused Support Intervention (FFSI) to Enhance Wellness in Undergraduate Medical Education

Funding: 2018 Group on Educational Affairs (GEA) National Educational Research Grant, Association of American Medical Colleges (AAMC). (PI: Susan M Martinelli), \$11,770.

Role: Co-Principal Investigator, 0% FTE effort

09/01/2019-08/30/2022

Teaming up for community health: Mixed methods study of an innovative interprofessional simulation intervention

Funding: National League for Nursing: NLN Foundation for Nursing Education Research Grant (PI: Kelly Powers, UNC Charlotte), \$25,000

Role: Consultant (methods/statistical support), 0% FTE effort

04/30/2016-04/30/2017

Implementing and Validating a Technology-based Cognitive Aid for Feedback in Line with ACGME Milestone Competencies in Anesthesiology

Funding: UNC SOM Academy of Educators Kathleen Rao Educational Scholarship Cooperative Agreement. (PI: Susan. M. Martinelli), \$7000.

Role: Co-Investigator, 0% FTE effort

GRANTS (EDUCATION PROGRAM)

07/28/2023-present

The Science, Technology, Engineering, Mathematics, and Medicine Education Research Collaborative (SERC)

Funding: Carolina Seminars Program, Office of The Provost, UNC

Grantee: Rebakah Layton and Fei Chen, \$3,200 (\$1,600 for each award period)

Award Period 1: July 28, 2023 – May 31, 2024, Role: Founding Co-Convener

Award Period 2: June 1, 2024 – May 31, 2025, Role: Co-Convener

Award Period 3: June 1, 2025 – May 31, 2026, Role: Founding Member/Advisor

PROFESSIONAL SERVICE

TO DISCIPLINE

National Professional Organizations

07/01/2022 – present

Nominations Committee, Chair

The Society of Directors of Research Medical Education (SDRME)

04/27/2022 – present

Research Mentorship Program, mentor (invited)

Society for Education in Anesthesia (SEA)

11/18/2021 – present

Research Committee, member

SEA

01/17/2020 – present

UNC representative, member

SDRME

10/20/2017 – present

Committee on Resident Education, member

SEA

2017 – present

American Society of Anesthesiologists (ASA), Member

2016 – present	AAPAE, Member
4/25/2023 – 12/30/2023	Interventional Pulmonology Milestones 2.0 Taskforce, committee member Accreditation Council for Graduate Medical Education (ACGME)
2012- 2023	American Educational Research Association (AERA), Member
11/01/2020 – 11/12/2022	Council Member - Assessment and Scholarship Second Term Association of Anesthesiology Program Administrators and Educators (AAPAE)
04/08/2022	Oral presentation sessions; Judge (invited) SEA Spring meeting
10/01/2020- 06/30/2021	Education Meetings Committee, member SEA
05/20/2020- 06/30/2021	Advancement of Technology in Education Committee, member SEA
11/01/2018 – 10/31/2020	Council Member - Assessment and Scholarship First Term AAPAE
09/04/2018-10/02/2020	2020 Fall Meeting Committee, co-chair SEA
2018 - 2019	Pulmonary Disease/Critical Care Medicine/Pulmonary Critical Care Milestones Development Committee, member ACGME
2017-2018	International Anesthesia Research Society (IARS), Member
2014-2016	National Association for Gifted Children (NAGC), Member

WITHIN UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL

UNC Department of Anesthesiology Committees and Programs

02/14/2025 – present	Department AI research group, member
08/26/2024 – present	Resident QI project committee, member
09/06/2022 – present	Diversity, Equity, & Inclusion (DEI) Committee, Member
05/16/2022 – present	The Excellence in Anesthesiology at Chapel Hill Education Research (TEACHER) Lab, Founder and Co-Director
10/13/2021 – present	Wellness faculty subcommittee, Member
04/15/2021 – present	Recruitment committee, Member
12/10/2017 – present	Wellness committee, Member
09/08/2015 – present	Program Evaluation Committee, Member
09/08/2015 – present	Research Committee, Member
09/08/2015 – present	Clinical Competency Committee, Member

07/01/2022 – present	Education Leadership Interview/Selection Committee, Member Positions: Residency Assistant Program Director (2022), Pediatrics Fellowship Program Director (2022), Vice Chair of Education (2023), OB Anesthesiology Fellowship Program Director (2025); Regional Anesthesiology Fellowship Program Director (2025)
----------------------	---

UNC Hospital and School of Medicine Committees and Programs

07/01/2023 – 06/30/2025	AOE Scholarship Committee, Chair
01/01/2023 – present	Director, Evaluation and Assessment, Office of Medical Education
07/01/2022 – present	Academy of Educators (AOE) Scholarship Consult Service Director
07/01/2022 – present	Peer Observation Program Scholarly Lead
03/29/2019 – present	AOE member
09/26/2018 – present	AOE Scholarship Committee, Member
09/26/2018 – 06/30/2025	AOE Leadership Council, Member
01/01/2020 - 02/05/2020	AOE Scholarship Grant consultant

EDITOR/REFeree/REVIEWER

EDITOR

03/19/2025-	Guest Editor, Learning and Education in Anesthesia, <i>Anesthesiology Clinics</i>
10/23/2019-	Editorial Board member of <i>ATS Scholar</i> (5y/term, 2 nd term)
09/05/2019-	Associate editor, <i>BMC Medical Education</i>

Journal Manuscript Reviewer (Partial List)

Advances in Health Sciences Education
Asia Pacific Education Review
BMC Medical Education
British Journal of Educational Technology
Computers & Education
Frontiers in Education
International Journal of Nursing Studies
JAMA Network Open
Journal of Clinical Anesthesia
Journal of Continuing Education in the Health Professions
Journal of Education in Perioperative Medicine
Journal of Statistical Software
Medical Education
Medical Teacher
Plos One
Studies in Educational Evaluation
Teaching and Learning in Medicine
The Journal of Graduate Medical Education (JGME 2022 Outstanding Reviewer)

CONFERENCE ABSTRACT/PROPOSAL REVIEWER

2021 – present	SEA, Spring Meeting Submissions (Curriculum, Research)
2023	AOE Evening of Scholarship Poster Award Judge

2018 – 2019 AERA, Div D, Div H, Div I, Classroom Assessment SIG
2018 – 2019 AAMC Call for Medical Education Submissions (Innovation Highlights in Medical Education, Research Highlights in Medical Education, Sessions on Medical Education)
2017 Southern Group on Educational Affairs (SGEA) Annual Meeting
2015 AERA, Classroom Assessment SIG

GRANT REVIEWER

2023 – present AOE Kathleen Rao Educational Scholarship Grant Review Committee, Chair
2019 AOE Kathleen Rao Educational Scholarship Grant Review Committee, Member

DIVERSITY, EQUITY AND INCLUSION ACTIVITIES

DEI SPECIAL INTEREST GROUP MEMBERSHIP

11/18/2021 – present UNC SOM The New Asian American Faculty Association Group member
04/23/2021 – present UNC Health Asian American Interest Group member
10/01/2020 – present The Society of Directors of Research Medical Education Special Interest Group member
on Diversity, Equity and Inclusion

DEI TRAINING AND CERTIFICATES

03/06/2023 Achieving Equity in Health Care workshop, UNC SOM's DEI Certificate Program
04/21/2022 Can We Talk about Race? UNC SOM Office of Inclusive Excellence
06/10/2021 Respecting All Workshop sponsored by the SOM's DEI Certificate Program
05/12/2021 Unconscious Bias Awareness Workshop sponsored by the SOM's DEI Certificate Program
04/30/2021 AOE Certificate of Completion, UNC Narrative Medicine Anti-Racism Program
03/29/2021 Diversity: Inclusion in the Modern Workshop Certificate of Completion, NCSU
03/29/2021 Managing Bias Certificate of Completion, NCSU