

**CURRICULUM VITAE**  
**Part I**

**Kristen M. Brown DNP, CRNP, CPNP-AC, CHSE-A, FSSH, FAAN**

Johns Hopkins University School of Nursing  
Associate Professor  
Associate Dean for Simulation & Immersive Learning Associate Professor

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**EDUCATION**

<b>Year</b>	<b>Degree</b>	<b>Institution</b>
2017	Doctor of Nursing Practice (DNP)	Johns Hopkins University School of Nursing
2015-2017	Zamierowski Simulation Fellowship	Johns Hopkins Medicine Simulation Center
2006	Master of Science (MS) Acute Care Pediatric Nurse Practitioner	University of Maryland School of Nursing
2001	Bachelor of Science in Nursing (BSN)	University of Pittsburgh School of Nursing

**CURRENT LICENSE AND CERTIFICATION**

<b>Year</b>	<b>Source</b>	<b>Type</b>
2019-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator-Advanced (CHSE-A)
2018-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator (CHSE)
2006-present	Pediatric Nursing Certification Board	Acute Care Certified Pediatric Nurse Practitioner (CPNP-AC)
2006-present	Maryland Board of Nursing	Certified Registered Nurse Practitioner Acute Care Pediatrics
2003-present	Maryland Board of Nursing	Registered Nurse License (RN)

## **PROFESSIONAL EXPERIENCE**

<b>YEARS</b>	<b>POSITION/INSTITUTION/LOCATION</b>
<b><u>2017-present</u></b>	<b><u>Johns Hopkins University School of Nursing, Baltimore, MD</u></b>
2024-present	Associate Dean for Simulation & Immersive Learning
11/2023-2024	Associate Dean for Simulation & Immersive Learning (interim)
2023-present	Ranked Faculty, Associate Professor
2021-2022	Director of Immersive Learning & Digital Innovation Practice
2018-2023	Ranked Faculty, Assistant Professor
2017-2021	Advanced Practice Simulation Coordinator
2017-2018	Ranked Faculty, Instructor
<b><u>2019-2024</u></b>	<b><u>Johns Hopkins Medicine Simulation Center, Baltimore, MD</u></b>
	Simulation Strategic Projects Lead
<b><u>2006-2019</u></b>	<b><u>Johns Hopkins University School of Medicine, Bloomberg Children's Center Pediatric Intensive Care Unit, Baltimore, MD</u></b>
2006-2019	Acute Care Pediatric Nurse Practitioner
2017-2019	Pediatric Critical Care Simulation Coordinator
2013-2019	Pediatric Cardiac Critical Care Coordinator
2008-2013	Pediatric Nurse Practitioner Educator
<b><u>2004-2006</u></b>	<b><u>University of Maryland Medical Center; Express Care, Baltimore, MD</u></b>
	Pediatric Transport Registered Nurse
<b><u>2001-2003</u></b>	<b><u>Children's Hospital of Pittsburgh, Pediatric Intensive Care Unit (PICU), Pittsburgh, PA</u></b>
	Pediatric Critical Care Registered Nurse I & II

## **HONORS AND AWARDS**

- 2025 **Maryland Higher Education Commission *Dr. Peg E. Daw Nurse Faculty Annual Recognition (NFAR) Award for Innovation in Education and Technology*** \$10,000
- 2025 **Society for Simulation in Healthcare Articles of Influence for 2023-24**  
Birido, N., **Brown, K.M.**, Olmo-Ferrer, D., Friedland, R., Bailey, S.K.T, Wawersik, D., Charnetski, M., Nair, B., Kutzin, J.M., Gross, I.T., Palaganas, J.C. (2024) Healthcare simulation in-person and at a distance: a systematic review. *Simulation in Healthcare*, 19(1S), S65-S74.  
DOI: [10.1097/SIH.0000000000000763](https://doi.org/10.1097/SIH.0000000000000763)
- 2024 **Fellow in Society for Simulation in Healthcare (FSSH)**
- 2024 **Society for Simulation in Healthcare 2023 Educator of the Year**
- 2024 **Society for Simulation in Healthcare Articles of Influence for 2022-23**  
**Brown, K. M.**, et al. (2023). Curricular integration of virtual reality in nursing education. *Journal of Nursing Education*, 62(6), 364-373. DOI: [10.3928/01484834-20230110-01](https://doi.org/10.3928/01484834-20230110-01)
- 2024 **Nursing Outlook 2023 Author Awards: Excellence in Education**  
A competency roadmap for advanced practice nursing education using PRIME-NP. *Nursing Outlook*, 70(2), 337-346. DOI: [10.1016/j.outlook.2021.10.009](https://doi.org/10.1016/j.outlook.2021.10.009)
- 2022 **Johns Hopkins School of Nursing Isabel Hampton Robb Fellowship**  
*Multi-Player Virtual Reality for Interprofessional Education*
- 2021 **The 2021 University of Pittsburgh School of Nursing Alumni Award**  
*Teaching Excellence*
- 2020 **Fellow in the American Academy of Nursing (FAAN)**
- 2020 **The 2020 Johns Hopkins University School of Nursing Dean's Award**  
*Outstanding Nurse Educator Award*
- 2019 **American Association of Colleges of Nursing Apple® Digital Innovation Bootcamp: From Content to Action**, Austin, TX; selected participant
- 2019 **National Association of Nurse Practitioners *Lisa Milonovich Acute Care Pediatric Nurse Practitioner Scholar Award***
- 2018 **National League for Nursing Leadership Development Program for Simulation Educators**, Washington, DC; selected participant
- 2017 **Maryland Higher Education Commission New Nurse Faculty Fellowship**, \$20,000
- 2017 **Professors' Choice for Best Poster, The International Pediatric Simulation Society Symposia and Workshop: A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners**; Boston, MA

## RESEARCH

### Sponsored Projects

2025-2026	Greater Kansas City Community Foundation E3 Fund: <i>AI-Driven Adaptive XR Learning Platform</i> . Role: Principal Investigator-Kristen Brown. Total direct costs \$100,000
2024-2025	2024 Johns Hopkins University Nexus Award; Convening: <i>Shaping the Future of the Healthcare Workforce: Policy and Best Practice Recommendations for the Use of Simulation for Healthcare Education</i> \$100,000
2023-2024	Health Recourses and Servicers Administration (HRSA): <i>Supporting Nursing Advanced Practice Transitions (SNAPT)</i> . Principal Investigator: Marianne Fingerhood. Role: Co-Investigator-simulation curriculum development 10% effort. Total direct costs \$3,200,000
2023-2025	Conway Innovation Challenge: 360° VR Stereoscopic Video Technology with Perspective Shifting: Immersive Modular Training. Role: Principal Investigator-Kristen Brown. Total direct costs \$400,000
2023-2025	2023 Johns Hopkins Discovery Grant. Automated sedation state assessment for improved sedation decisions using machine learning and low-cost accelerometry. PI: Sapna Kudchadkar Role: Co-Investigator 5% effort. Total direct costs \$100,000
2021-2025	American Rescue Plan Health Recourses and Servicers Administration (HRSA) Behavioral Health Workforce Education and Training Program- HRSAMC1HP42084-01-00. Principal Investigator: Tamar Rodney. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$1,800,000
2021-2025	State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII21-110: <i>DNP in Nurse Anesthesiology</i> . Principal Investigator: Cathy Horvath. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$2,085,872
2020-2023	State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII 21-111. <i>SNAPT - Supporting nursing Advanced Practice Transitions</i> . Principal Investigator: Miki Goodwin. Role: Co-Investigator 3% effort. Total direct costs \$886,370
2020-2022	Johns Hopkins University Digital Education & Learning Technology Acceleration (DELTA) Grant: <i>Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Simulation and Virtual Reality for Medical &amp; Nursing Trainees</i> . Role: Principal Investigator-Kristen Brown 5% effort. \$75,000
2019-2022	State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award 18-111. Professional-Reporter-Interpreter-Manager-Educator (PRIME) Competency Model for DNP-NP Education. Principal Investigator: Rita D'Aoust. Role: Co-Investigator 20% effort. Simulation curriculum development and competency measurement. Total direct costs \$1,001,596

## Sponsored Projects (continued)

- 2018-2019 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII 18-113 Accelerating Advanced Practice Care Competencies and Expanding Practice Partnership. Principal Investigator: Cheryl Dennison Himmelfarb. Role: Simulation Expert for competency measurement 10% effort Maryland Higher Education Commission. Total direct costs \$110,000
- 2017-2019 Maryland Higher Education Commission, Nurse Support Program NSPII -Accelerated post-NP pediatric acute care education. Principal Investigator: Shawna Mudd. Role: Co-Investigator 15% effort. Curriculum and simulation development. Total direct costs \$810,488

## Non-Sponsored Projects

- 2016-2017 Preventing Cardiac Arrest in the Postoperative Congenital Heart Disease Patient: A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners. The Dobkin Research Fund Role: Principal Investigator, National Association of Pediatric Nurse Practitioners (NAPNP). Curriculum design and implementation Total direct costs \$2,000

## Invention/ Disclosures

- 2019 D15969 Johns Hopkins Technology Ventures: *NIRS (Near-infrared spectroscopy) Simulator*
- 2019 C15892 Johns Hopkins Technology Ventures: *Advanced Practice Provider Pediatric Critical Care Simulation Boot Camp*
- 2018 C15124 Johns Hopkins Technology Ventures: *Advanced Practice Simulation Boot Camp*

## SCHOLARSHIP

### Publications

#### Peer Reviewed Journal Articles/White Papers (\*data-based)

\*\*Indicates author was a student, trainee, or mentee at the time of the work

1. **Brown, K.M.**, Key, S., Busch, D.W., Quinn, M., Hawkins-Walsh, E., Mudd, S.S. (2025). Bridging educational procedural gap via analysis of procedures performed by pediatric nurse practitioners in clinical practice: A cross sectional survey. *Journal of Pediatric Healthcare*, 39(3), 417–423. DOI: [10.1016/j.pedhc.2024.12.003](https://doi.org/10.1016/j.pedhc.2024.12.003)\*
2. LaRosa, J.M.\*\*, Lenker, H., Azamfirei, R., Morgenstern, Wieczorek, B., **Brown, K.M.**, Shilkofski, N., Kudchadkar, S.R. (2025). Development and evaluation of a simulation-based early mobility curriculum for pediatric intensive care nurses. *Nursing in Critical Care*. Advance online publication DOI: [10.1111/nicc.13215](https://doi.org/10.1111/nicc.13215)\*
3. Gilbert, M., Watts, P., & **Brown, K. M.** (2024). Competency-Based Education: Simulation educators, don't be afraid! *Clinical Simulation in Nursing*, 97, 101668 DOI: [10.1016/j.ecns.2024.101668](https://doi.org/10.1016/j.ecns.2024.101668)
4. Palaganas, J. C., Mosher, C., Wawersik, D., Eller, S., Kirkpatrick, A. J., Lazarovici, M., **Brown, K. M.**, Stapleton, S., Hughes, P. G., Tarbet, A., Morton, A., Duff, J. P., Gross, I. T., & Sanko, J. (2024). In-Person Healthcare Simulation: An Umbrella Review of the Literature. *Simulation in Healthcare: journal of the Society for Simulation in Healthcare*, 10-1097. DOI: [10.1097/SIH.0000000000000822](https://doi.org/10.1097/SIH.0000000000000822)

## Publications: Peer Reviewed Journal Articles/White Papers (\*data-based) (continued)

5. Gilbert, M., **Brown, K. M.**, & Watts, P. (2024). The intersections between competency-based education and simulation-based education: Integration in nursing education. *Journal of Professional Nursing*, 54, A1–A3. DOI: [10.1016/j.profnurs.2024.08.010](https://doi.org/10.1016/j.profnurs.2024.08.010)
6. Mudd, S.S., **Brown, K. M.**, Key, S., Quinn, M., Hawkins-Walsh, E., Gilbert, G.E., & Busch, D.W. (2024). Analysis of education and previous nursing experience of certified PNP's in the United States. *Journal of Pediatric Nursing*. DOI: [10.1016/j.pedn.2024.03.024](https://doi.org/10.1016/j.pedn.2024.03.024)\*
7. Birido, N., **Brown, K.M.**, Olmo-Ferrer, D., Friedland, R., Bailey, S.K.T, Wawersik, D., Charnetski, M., Nair, B., Kutzin, J.M., Gross, I.T., Palaganas, J.C. (2024) Healthcare simulation in-person and at a distance: a systematic review. *Simulation in Healthcare*, 19(1S), S65-S74. DOI: [10.1097/SIH.0000000000000763](https://doi.org/10.1097/SIH.0000000000000763) (Society for Simulation in Healthcare Articles of Influence for 2023-24)
8. **Brown, K.M.**, Perretta, J., Anderson, M., Gilbert, G.E., Miller, G., Horvath, C., Sullivan, N., Jeffers, J.M., Swoboda, S.M., Green, D.\*\*\*, Mudd, S.S. (2023). Deconstructing Healthcare Silos: Multi-player Virtual Reality for Interprofessional & Intraprofessional Education. *Journal of Interactive Learning Research*, 34(3), 495-513. <https://www.learntechlib.org/primary/p/222425/>\*
9. **Brown, K.M.**, Swoboda, S.M., Gilbert, G.E., Horvath, C., & Sullivan, N. (2023). Curricular integration of virtual reality in nursing education. *Journal of Nursing Education*, 62(6), 364-373. DOI: [10.3928/01484834-20230110-01](https://doi.org/10.3928/01484834-20230110-01)\* (Society for Simulation in Healthcare Articles of Influence for 2022-23)
10. Mudd, S. S., Quinn, M., Busch, D., Key, S. M., **Brown, K.**, Gilbert, G. E., & Hawkins-Walsh, E. (2023). Evaluating the Practice of Pediatric Nurse Practitioners: Is It Time for Dual Primary and Acute Care Preparation? *Journal of Pediatric Health Care*, 37(1), 74-84. DOI: [10.1016/j.pedhc.2022.08.005](https://doi.org/10.1016/j.pedhc.2022.08.005) \*
11. Pandian, V., Dino, M. J.S., McLennan, L., **Brown, K.M.**, Sullivan, N., Coker, D., Matta H.R., Davidson P., Szanton, S. L. (2022). Nursing education in uncharted waters: Are we successfully navigating the industrial revolutions ahead? *Journal of Clinical Nursing*. DOI: [10.1111/jocn.16319](https://doi.org/10.1111/jocn.16319)
12. **Brown, K.M.**, Swoboda, S. M., Gilbert, G. E., Horvath, C., & Sullivan, N. (2022). Integrating virtual simulation into nursing education: A roadmap. *Clinical Simulation in Nursing*. 12 (8), 1-9. <https://doi.org/10.1016/j.ecns.2021.08.002> (Feature article) \*
13. D'Aoust, R. F., **Brown, K.M.**, McLlrot, K., Adamji, J. M. D\*\*., Johnson, H., Seibert, D. C., & Ling, C. G. (2022). A competency roadmap for advanced practice nursing education using PRIME-NP. *Nursing Outlook*, 70(2), 337-346. DOI: [10.1016/j.outlook.2021.10.009](https://doi.org/10.1016/j.outlook.2021.10.009) \* (Nursing Outlook 2023 Author Awards: Excellence in Education)
14. VanGraafeiland, B., Busch, D., Mudd, S.M., McLlrot, K., **Brown, K.M.**, Abshire-Saylor, M., Silbert-Flagg, Sloand, E. (2021) A mock telephone triage experience for nurse practitioner students. *The Journal for Nurse Practitioners* 18(3), 320-323. <https://doi.org/10.1016/j.nurpra.2021.10.023> \*

## Publications: Peer Reviewed Journal Articles/White Papers (\*data-based) (continued)

15. **Brown, K.M.**, Mudd, S.M., Perretta, J.S., Dodson, A. Hunt, E.A, Nelson McMillan, K. (2021). Rapid cycle deliberate practice to facilitate “Nano” in situ simulation: An interprofessional approach to just-in-time training. *Critical Care Nurse*, 41 (1): e1–e8. DOI: [10.4037/ccn2021552](https://doi.org/10.4037/ccn2021552) (Feature article; CEU's) \*
16. **Brown, K.M.**, Hunt, E.A., Duval-Arnould, J., Shilkofski, N.A., Keslin, A.N\*\*, Stella, A., Budhathoki, C., Ruddy, T., Perretta, J. S., Slattery, J.M.\*\*, Nelson McMillan, K. (2020). Pediatric critical care simulation curriculum: training nurse practitioners to lead in the management of critically ill children. *Journal of Pediatric Healthcare*, 34(6) 584-590. DOI: [10.1016/j.pedhc.2020.07.001](https://doi.org/10.1016/j.pedhc.2020.07.001) \*
17. Lioce, L., Conelius, J., **Brown, K.M.** (editors) (2020). Simulation Guidelines and Best Practices for Nurse Practitioner Programs. National Organization of Nurse Practitioner Faculties. Washington: D.C. [https://cdn.ymaws.com/www.nonpf.org/resource/resmgr/docs/simulationnewfolder/20201022\\_sobp\\_final.pdf](https://cdn.ymaws.com/www.nonpf.org/resource/resmgr/docs/simulationnewfolder/20201022_sobp_final.pdf)
18. Perretta JS, Duval-Arnould J, Poling S, Sullivan N, Jeffers JD, Farrow L, Shilkofski NA, **Brown K.M.**, Hunt EA. (2020). Best practices and theoretical foundations for simulation instruction using rapid-cycle deliberate practice. *Simulation in Healthcare* 15(5), 356-362. DOI: [10.1097/SIH.0000000000000433](https://doi.org/10.1097/SIH.0000000000000433)
19. Mudd, Shawna S.; Mcltrot, Kimberly S.; **Brown, K.M.** (2020). Utilizing telepresence robots for multiple patient scenarios in an online nurse practitioner program. *Nursing Education Perspectives*, 41 (4), 260-262. DOI: [10.1097/01.NEP.0000000000000590](https://doi.org/10.1097/01.NEP.0000000000000590)
20. Sexton, E.\*\*, Fadrowski, J., Pandian, V., Sloand, E., & **Brown, K.M.** (2019). Acute kidney injury in hospitalized pediatric patients: A review of research. *Journal of Pediatric Health Care*, 34(2):145-160. DOI: [10.1016/j.pedhc.2019.09.009](https://doi.org/10.1016/j.pedhc.2019.09.009)
21. Schallmo, MK\*\*, Godfrey, TM\*\*, Dunbar, D\*\*, **Brown K.M.**, Coyle, A., D'Aoust, R. (2019). Is it time for the 4<sup>th</sup> P in nurse practitioner education: Physical assessment, pharmacology, pathophysiology, and procedures: A systematic review. *Journal of the American Association of Nurse Practitioners*, 31 (12), 705-711. DOI: [10.1097/JXX.0000000000000206](https://doi.org/10.1097/JXX.0000000000000206)
22. **Brown, K.M.** (2018). Is it time to rethink the way we deliver simulation in the clinical setting? *Journal of Pediatric Surgical Nursing* 7 (3), 69-70. DOI: [10.1097/JPS.0000000000000180](https://doi.org/10.1097/JPS.0000000000000180)
23. **Brown K.M.**, Mudd SS, Hunt EA, Perretta JS, Shilkofski NA, Diddle JW, Yurasek G, Bembea M, Duval-Arnould J, Nelson McMillan K. (2018). A multi-institutional simulation boot camp for pediatric cardiac critical care nurse practitioners. *Pediatric Critical Care Medicine*, 19(6), 564-571 DOI: [10.1097/PCC.0000000000001532](https://doi.org/10.1097/PCC.0000000000001532) \*
24. Nelson-McMillan, K., Ravekes, W. J., Thompson, W. R., **Brown K.M.**, Wolff, L., Wadia, R. S., McNamara, L. M., Shaffner, D. H., Berkowitz, I. D., Jacobs, M. L., & Vricella, L. A. (2016). Membrane oxygenator use with biventricular assist device: facilitation of support and lung recovery. *World Journal of Pediatric Congenital Heart Surgery*, 9(1), 105-109. DOI: [10.1177/2150135116668832](https://doi.org/10.1177/2150135116668832)

## Non-Peer Reviewed Journal Articles/White Papers

25. Atkins, R. L., **Brown, K. M.**, Mudd, S. S., Ghobadi, K., Baker, D. J., & Szanton, S. (2025) Transforming Nursing Education: Ai and Competency-Based Learning for an Inclusive and Equitable Future. Available at SSRN 4988538. <http://dx.doi.org/10.2139/ssrn.4988538>

## Invited Expert-Byline Authorship

26. Stone, K.P. Rutman, L., Calhoun, A.W., Reid, J., Maa, T., Bajaj, K., Auerbach, M.A., Cheng, A., Davies, L., Deutsch, E., Harwayne-Gidansky, I., Kessler, D.O., Ogrinc, G., Patterson, M., Thomas, A., Doughty, C., & for the International Network in Simulation-Based Innovation, Research and Education (INSPIRE) (2024) SQUIRE-SIM Reporting Guidelines Investigators. SQUIRE-SIM (Standards for Quality Improvement Reporting Excellence for SIMulation): Publication Guidelines for Simulation-Based Quality Improvement Projects. *Simulation in Healthcare*, 10-1097. Invited Expert Panel: **Kristen Brown**  
DOI: [10.1097/SIH.0000000000000819](https://doi.org/10.1097/SIH.0000000000000819)
27. Kirkpatrick AJ, Palaganas J, Ahmed R, Bajwa M, Kutzin J, Kou M, Walsh B, Clapper T, Calhoun A, Eller S, Duff J, Adler M, Lopez C, Riggall V, Bajaj K, Elkin R, Kardong-Edgren S, Sanko J, Sanseau L, Good G, Thomas A, Ramachandra G, & Gross IT. Invited Expert-Byline author Educational/Foundational Considerations: **Kristen Brown** (2022). 2021 Healthcare Distance Simulation Summit Proceedings - Looking into the Distance: Paving the Way Toward a Sustainable Future. The Healthcare Distance Simulation Collaboration. (White Paper) <https://www.healthcaredistancesim.com/projects>
28. Cheng A, Nadkarni VM, Mancini MB, Hunt EA, Sinz EH, Merchant RM, Donoghue A, Duff JP, Eppich W, Auerbach M, Bigham BL, Blewer AL, Chan PS, & Bhanji F, American Heart Association Education Science Investigators; and on behalf of the American Heart Association Education Science and Programs Committee, Council on Cardiopulmonary, Critical Care, Perioperative and Resuscitation; Council on Cardiovascular and Stroke Nursing; and Council on Quality of Care and Outcomes Research (2018). Resuscitation Education Science: Educational Strategies to Improve Outcomes from Cardiac Arrest: A Scientific Statement from the American Heart Association (**Brown K.M.**– listed investigator). Mastery learning and deliberate practice. *Circulation*, 138 (6), e82-e122 DOI: [10.1161/CIR.0000000000000583](https://doi.org/10.1161/CIR.0000000000000583)

## Peer Reviewed Journal Abstracts (\*data-based)

1. Wu, S., Pejic, B., Roy, S., Huang, F., Raghavan, S.<sup>2</sup>; Hoffmann, J., Larosa, J.M., **Brown, K.**, Durr, N., Kudchadkar, S.R., Fackler, J. Development of a Computational Model of SBS scores in critically ill children. *Pediatric Critical Care Medicine* 25(11S):p e87, November 2024.  
DOI: [10.1097/01.pcc.0001085444.27374.df](https://doi.org/10.1097/01.pcc.0001085444.27374.df)
2. LaRosa, J. M.\*\*; Lenker, H., **Brown, K.**, Shilkofski, N., & Kudchadkar, S. R. (2023). 95 Evaluation of a Simulation Curriculum to Improve Nursing-Led Early Physical Rehabilitation of Critically Ill Children. *Journal of Clinical and Translational Science*, 7(51), 27-27 \*  
DOI: [10.1017/cts.2023.178](https://doi.org/10.1017/cts.2023.178)
3. LaRosa, J. M.\*\*; Lenker, H., **Brown, K.**, Shilkofski, N., & Kudchadkar, S. R. (2023). 726: Simulation Curriculum to Improve Nursing-Led Early mobility of Critically Ill Children. *Critical Care Medicine* 51(1): p 353  
DOI: [10.1097/01.ccm.0000908636.37859.of](https://doi.org/10.1097/01.ccm.0000908636.37859.of) \*



4. Kuntz, J\*\*, Pierre, AS, **Brown K.M.**, Alejo, D, Alvarez, MM, Vricella, L, Fadrowski, J, Nelson-McMillan, K (2016). Acute kidney injury in infants following cardiac procedures (abstract # 1312). *Critical Care Medicine* 44 (12), 403. DOI: [10.1097/01.ccm.0000509986.86523.3a](https://doi.org/10.1097/01.ccm.0000509986.86523.3a)
5. Kramer, J, **Brown K.M.**, McMillan, K.N. (2016). Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient (abstract #607). *Critical Care Medicine* 44 (12), 228. DOI: [10.1016/j.jtha.2023.09.023](https://doi.org/10.1016/j.jtha.2023.09.023)
6. Nelson-McMillan K, **Brown K.M.**, Woods-Hill C, Floyd S, Staso, B, Ascenzi J, Hunt EA (2016). Pediatric early warning system development and implementation in a pediatric intensive care unit (abstract #1233). *Critical Care Medicine* 44 (12), 384. DOI: [10.1016/j.jcrr.2006.06.007](https://doi.org/10.1016/j.jcrr.2006.06.007)
7. Nelson-McMillan K, Duval-Arnould J, **Brown K.M.**, McNamara L, Alejo D, Machado Alvarez M, Hibino N, Vricella LA, Shaffner DH, Hunt EA (2016). Cardiac arrest in the pediatric post-operative cardiac population: An opportunity to further enhance PALS guidelines. *Circulation* 134 (suppl\_1), A18300-A18300 [https://www.ahajournals.org/doi/10.1161/circ.134.suppl\\_1.18300](https://www.ahajournals.org/doi/10.1161/circ.134.suppl_1.18300)
8. Kramer, J., **Brown K.M.**, Llewellyn, T., Alejo, D., Nelson, K. (2015). Acquired antithrombin deficiency in pediatric critical illness (abstract #393). *Critical Care Medicine* 43 (12), 100. DOI: [10.1111/bcp.15703](https://doi.org/10.1111/bcp.15703)
9. Woods-Hill, C.Z., **Brown K.M.**, Fackler, J., Alejo, D., Jacobs, M., Vricella, L., Nelson, K. (2015). Phase of care mortality analysis for a pediatric cardiothoracic surgical population (abstract #94). *Critical Care Medicine* 43 (12), 25. DOI: [10.1016/j.athoracsur.2019.01.057](https://doi.org/10.1016/j.athoracsur.2019.01.057)\*

## Book Chapters

1. **Brown, K.M.** & Sullivan, N. *Student Centered Learning in NP Education* in Jeffries, P. R., & Slaven-Lee, P. (2024). *A Practical Guide for Nurse Practitioner Faculty Using Simulation in Competency-Based Education*. Lippincott Williams & Wilkins.
2. **Brown, K.M.** (2023) Virtual Simulation in *2023 Guide to Developing Simulations: A step-By-Step Approach* (NONPF, digital book).
3. **Brown, K.M.** (2020). Infant with diaphoresis during feedings. In: Kline-Tilford, A. and Haut, C. Cases in Pediatric Acute Care: Strengthening Clinical Decision Making. Hoboken: Wiley.
4. **Brown, K.M.**, Jones, M.B., Moore, L, Meliones, J, Ascenzi, J., Montgomery, J. (2018). Advanced nursing practice in pediatric cardiac critical care. In Ungerleider, R. M. (Ed.), *Critical Heart Disease in Infants and Children*, 3e, Elsevier.
5. Boucher, L., **Brown, K.M.**, L. Callow, Huff, C., Petersen, E. (2017). Congenital heart defects. In Justice, L. & Callow, L (Eds.) *Advanced Practice Provider Curriculum* (pp.65-119). Richmond, VA: PCICS.
6. McBride, M.E., Su, L., Moga, M., Jain, P.M., Erkonen, G.E., **Brown, K.M.**, Bavare, A., Bastero, P., Allan, C.K. (2016). Simulation curriculum. In Bronicki R. A. (Ed.), *Curriculum for Pediatric Cardiac Critical Care Medicine: Physician & Simulation* (pp. 273-432). Richmond, VA: PCICS

## Media Related to Research and Scholarship

- 2024 [Reality Check: Associate Dean for Simulation, Immersive Learning Bets on What's Best for All](#)
- 2023 [The Washington Post. Virtual reality has expanded into a new field: Job training 8/10/2023](#)
- 2021 [WBAL Baltimore: Johns Hopkins Nursing Students Get Hands-on Virtual Training](#)
- 2021 [On the Pulse: Nursing Schools of The Future 4/13/2021](#)
- 2021 [Johns Hopkins University HUB: Amidst Covid-19, Virtual Reality Makes "Social Distancing" Simulation Possible](#)
- 2020 [On the Pulse: Amidst COVID-19, Virtual Reality Makes "Social Distancing" Simulation Possible](#)
- 2020 [AANP Member Spotlight: On the Leading Edge of Health Care Simulation](#)

## Conference Meetings/Invited Expert/Presentations/Workshops/Webinars

### Keynote Speaker

- 2024 Keynote Speaker: **Brown, K.M.** 16<sup>th</sup> Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation. Leveraging Technology to Advance Simulation-Based Education*, Kanas City, MO (invited)
- 2022 Keynote Simulation Speaker: **Brown, K.M.** 20th Annual Safar Symposium: *Leveraging Technology to Advance Healthcare Simulation Education*. University of Pittsburgh; Pittsburgh, PA (invited)
- 2018 Keynote Simulation Speaker: **Brown, K.M.** 16th Annual Safar Symposium: *Advancing Your Nursing Career Through Simulation*. University of Pittsburgh; Pittsburgh, PA (invited)

### International

- 2025 Okuda, H., **Brown, K.M.**, Waxman, K.T., *SSH Presents: Advocacy – Garnering Support for Healthcare Simulation*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Blanchard, E., **Brown, K.M.**, Bethards, M., Bittencourt Couto, T., Wynja, M., Whitaker, T. *SSH IRC: Leveraging the SSH Member Roadmap Part 1: Professional Development*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Okuda, H., **Brown, K.M.**, Spain, A., Ribeira, R., Smitten, J. *SSH Presents: Advocacy-How do I do it?* International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 **Brown, K.M.**, Mudd, S.S., Benson, A., Rollison, S. *XR Learning Hub for Immersive Training*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2025 Gilbert, M., **Brown, K.M.**, Nickel, C., Obeso, V., Mann, B., Keehner, Madeleine. *Introducing the SSiH Simulation Grounded CBE Task Force*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025

## International (continued)

- 2025 Nawathe, P., Anderson, K., Bustamante, S. Blanchard, E., **Brown, K.M.**, Wynja, M., Whitaker, T. *SSH IRC Presents: Leveraging the SSH roadmap Part 2 – Scholarship and Leadership Opportunities for the Experienced Simulationist*. International Meeting for Simulation in Healthcare (IMSH) 2025 Conference. Orlando, FL. January 2025
- 2024 Utstein Summit: *The Use of Extended Reality (XR) in Simulation-based Education*. Invited expert. Copenhagen, Denmark. November 2024
- 2024 **Brown, K.M.**, Anderson, M., Roye, J., Guido-Sanz, F., Grosso, C., Diaz, D., & Wells-Beede, E. *Extended Reality (XR) in Nursing Education: A Blueprint for Success*. International Meeting for Simulation in Healthcare (IMSH) 2024 Conference. San Diego, CA. January 2024
- 2023 **Brown, K.M.**, Anderson, Guido-Sanz, F., Grosso, C. Virtual Simulation Curriculum: A Roadmap for Incorporating XR & Screen-based Simulation. Simulation User Network Conference 2023. Orlando, FL.
- 2023 **Brown, K.M.**, Okuda, H., Aebersold, M., Brannick, M., Pettit, E., *Extended Reality Research, Design Methodology, & Lessons Learned*. Invited Panel: International Meeting on Simulation in Healthcare (IMSH) Orlando, FL. January 2023
- 2023 **Brown, K.M.**, Horvath, C., Swoboda, S., Sullivan, N. *Impact of Virtual Reality and Standard Debriefing on Pre-licensure Nursing Students Knowledge of Sepsis and NSTEMI*. International Meeting on Simulation in Healthcare (IMSH) Orlando, FL. January 2023
- 2022 **Brown, K.M.** *Interprofessional Education Using Multiplayer Virtual Reality*. Hot Topics: Innovation; International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA. January 2022
- 2022 **Brown, K.M.**, Horvath, C., Swoboda, S., Sullivan, N. *Virtual Simulation in Nursing: A Roadmap for a VR Curriculum*. Panel Presentation; International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA. January 2022
- 2022 Swoboda SM, Sullivan N, **Brown K.M.**, Horvath C. Impact of Virtual Reality and Standard Debriefing on Pre-licensure Nursing Students Knowledge of Sepsis and NSTEMI. Accepted Research Poster 22<sup>nd</sup> International Meeting on Simulation in Healthcare (IMSH 2022), Los Angeles, CA 2022. (Not presented related to Covid-19)
- 2018 Hunt, E.A, Perretta, J., **Brown, K.M.**, et al. Panel Presentation; *Using Rapid Cycle Deliberate Practice to Achieve Excellence in Resuscitation Performance*. International Meeting on Simulation in Healthcare (IMSH) Los Angeles, CA.
- 2018 **Brown, K.M.** Faculty Co-Lead, Simulation Designer (with Nelson McMillan, K). Interprofessional Pediatric Cardiac Simulation Workshop. 6th Scientific Meeting of the World Society for Pediatric and Congenital Heart Surgery, Orlando, FL
- 2017 **Brown, K.M.**, Ryan, A. The Pediatric Cardiac Intensive Care Society 13th Annual International Meeting. Advanced Practice Provider Curriculum Review Course; Advanced practice Simulation Scenarios. Children's National Medical Center, Washington, DC (Workshop, Invited)

## International (continued)

- 2017 Nelson McMillan, K., **Brown K. M.**, Alejo, D., Young, J., Perretta, J., Vricella, L. A., & Hunt, E. A. Development of a Multidisciplinary Pediatric Ventricular Assist Device Committee with an Innovative Simulation Curriculum for Training Healthcare Teams. Oral presentation at the 13th International Conference on Pediatric Mechanical Circulatory Support Systems and Pediatric Cardiopulmonary Perfusion. Rome, Italy. September 28-30, 2017.
- 2017 **Brown, K.M.**, Simulation in Nursing Education from Pre-Licensure to Advanced Practice. International Pediatric Simulation Society Symposia and Workshop (IPSSW) (Panel discussion, invited)
- 2017 **Brown, K.M.**, Mudd, S.S., Hunt, E.A., Duval-Arnould, J., Perretta, J., Nelson-McMillan, K. A High-fidelity Simulation Boot Camp for Pediatric Cardiac Critical Care Nurse Practitioners, Pediatric Simulation Society Symposia and Workshop (IPSSW) (Abstract, invited)
- 2016 **Brown, K.M.** Early Recognition and Management of Low Cardiac Output in the Postoperative Congenital Heart Disease Patient. 16th Annual International Symposium on Congenital Heart Disease (Invited)
- 2016 **Brown, K.M.** Cutting Edge Concepts for Managing Cardiac Arrest in the Critically Ill Child: Beyond the 2015 Guidelines. 8th World Congress on Pediatric Intensive and Critical Care Workshop Faculty (invited)
- 2016 **Brown, K.M.** Rapid Cycle Deliberate Practice: Train to High-Quality Performance. 2nd Asia Pacific Resuscitation Nurses Conference Workshop Faculty (invited)
- 2016 **Brown, K.M.** Double Outlet Right Ventricle (DORV) with Non-Committed VSD. Pediatric Cardiac Intensive Care Society (PCICS) 12th Annual International Meeting (invited)
- 2016 Nelson-McMillan, K, **Brown, K.M.**, Duval-Arnould J, Shaffner DH, Hibino N, Vricella LA, Jacobs, M, Hunt EA. Cardiac arrest management in the Pediatric Post-operative Cardiac Patient: A National Survey of Pediatric Cardiothoracic Surgeons. PCICS conference, Miami, FL (abstract, invited)
- 2016 Nelson-McMillan K, **Brown, K.M.**, Kramer J, Axelrod D, Takemoto C, Bembea M. Evaluation of Risk and Management of Thrombosis and Bleeding in the Pediatric Cardiac Population: An International Survey of Pediatric Critical Care Physicians. PCICS Conference, Miami, FL (Abstract, invited)
- 2015 **Brown, K.M.** *Tales of the ALCAPA*. 15th Annual International Symposium on Congenital Heart Disease, Tampa, FL. (Invited)

## National

- 2025 **Brown, K.M.**, Atkins, R., Ghobadi, K. AI Synergy Summit. *AI-Driven Adaptive Learning Platform: Future-Proofing the Nursing Workforce*. Johns Hopkins University Bloomberg Center, Washington, D.C.
- 2024 **Brown, K.M.** 16<sup>th</sup> Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation*. Workshop: *Leveraging Distance Simulation to Increase Immersive Education*, Kanas City, MO (invited)

- 2024 **Brown, K.M.**, Ockimey, J. 16<sup>th</sup> Annual Kansas City Healthcare Simulation Conference *Innovative Strategies for Excellence in Healthcare Simulation*. Workshop: *Incorporating XR into your Simulation Program*, Kanas City, MO (invited)
- 2024 **Brown, K.M. &** Kardong-Edgren, S. Institute for Educators University of Maryland Annual Conference: Trends Affecting Nursing Education: AI, XR, CBE, Whaaaaat?! Invited talk: "VR, XR, AI....Getting to Yes" (Invited)
- 2021 Johns Hopkins University Provost's Teaching with Technology DELTA Symposium. *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Simulation and Virtual Reality for Medical & Nursing Trainees* [DELTA Grant]. (Invited)
- 2021 *Graduate Simulation Guidelines* 2021 NONPF 47<sup>th</sup> Annual Conference: New Frontiers for NP Education (virtual conference) 4/2021; Conelius, J., **Brown, K.M.**, Lioce, L., Nye, C., Weston, C. (Invited)
- 2020 *Virtual Simulation to Enhance Experiential Learning & Virtual Simulation: New Modalities and Exemplars*. 2020 NONPF Fall Conference Excellence in Virtual NP Education (virtual conference) (invited) 11/2020
- 2020 D'Aoust, R. **Brown, K.M.**, Ling, C. Utilizing the PRIME Model to Map Nurse Practitioner Clinical Competency Progress Across the Curriculum. NLN Summit, virtual (Oral, Invited)
- 2019 RIME: To Simulation and Beyond. AACN Doctoral Conference, San Diego, CA (Oral)
- 2019 What You Need to know to Deliver a Quality NP Program: Simulation Best Practices, Design, and Debrief Process. National Organization of Nurse Practitioner Faculties (NONPF) Special Topic Conference. Bethesda, Maryland (workshop, invited)
- 2019 **Brown, K.M.**, D'Aoust, R., Sullivan, N. Using the RIME Framework to Map Progress Across the NP Curriculum. George Washington University 2<sup>nd</sup> Annual Simulation Conference (invited)
- 2018 **Brown, K.M.** & D'Aoust, R. Presentation: Is it Time for the 4<sup>th</sup> P in Nurse Practitioner Education? Physical Assessment, Pathophysiology, Pharmacology & Procedures. American Association of Nurse Practitioners National Conference, Denver CO (Presentation, invited)
- 2018 Vangraafeiland, B., **Brown, K.M.**, Mudd, S., Busch, D., Silbert-Flagg, J., Sullivan, N., Sloand, E. Implementing Standardized Patient Simulation Experiences in the Advance Practice Pediatric and Family Nurse Practitioner Programs (Abstract, invited)
- 2017 **Brown, K.M.**, Johnson, H., Sullivan, N., Seibert, D., D'Aoust, R. Utilizing a Model to Map Progress Across the Curriculum: Bringing Advanced Practice Training Back to the University AACN's 2018 Doctoral Education Conference. Naples, FL.
- 2017 Alejo, D., **Brown, K.M.**, Machado Alvarez, M., Woods-Hill, C., Shannon, F., Jacobs, M., Hibino, N., Vricella, L., & Nelson McMillan, K. Phase of Care Mortality Analysis (POCMA) in Pediatric Cardiac Surgery. Society of Thoracic Surgeons Advances in Quality & Outcomes Meeting, Chicago IL
- 2017 Kramer, J., **Brown, K. M.**, Nelson-McMillan, K. Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract)

- 2017 Kuntz J, Suarez Pierre A, **Brown K.M.**, Alejo D, Machado Alvarez M, Vricella LA, Fadrowski J, Nelson-McMillan. Acute Kidney Injury in Infants Following Cardiac Procedures. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract, Invited)
- 2017 Nelson-McMillan K, **Brown, K.M.**, Woods-Hill C, Floyd S, Staso B, Ascenzi J, Hunt EA. Pediatric Early Warning System Development and Implementation in a Pediatric Intensive Care Unit. Society of Critical Care Medicine Meeting, Honolulu, HI (Abstract, Invited)
- 2016 Woods-Hill, C.Z., **Brown, K.M.**, Fackler, J., Alejo, D., Jacobs, M., Vricella, L., Nelson, K. Phase of Care Mortality Analysis for a Pediatric Cardiothoracic Surgical Population. Society of Critical Care Medicine Meeting, Orlando, FL (Abstract, Invited)
- 2016 Kramer, J., **Brown, K.M.**, Llewellyn, T., Alejo, D., Nelson, K. Acquired Antithrombin Deficiency in Pediatric Critical Illness. Society of Critical Care Medicine Meeting. Orlando, FL (Abstract, Invited)
- 2016 Nelson-McMillan K, Duval-Arnould J, **Brown, K.M.**, McNamara L, Alejo D, Machado Alvarez M, Hibino N, Vricella LA, Shaffner DH, Hunt EA. Cardiac Arrest in the Pediatric Post-operative Cardiac Population: An Opportunity to Further Enhance PALS Guidelines. AHA Conference, New Orleans, LA (Abstract)
- 2016 **Brown, K.M.** Incorporating Rapid Cycle Deliberate Practice into Your Simulation Toolbox: Instructor Training Course. Association for Nursing Professional Development Annual Conference (Invited)
- (Prior name: Stanich)
- 2014 Nelson, K., **Stanich, K.**, Ascenzi J., Vricella L., Takemoto, C. Risk Factor Identification for Development of Pediatric Venous Thrombosis in Pediatric Cardiac Patients. Society of Critical Care Medicine Meeting, San Francisco, CA (Abstract, Invited)
- 2014 Nelson, K., **Stanich, K.**, Procaccini, D., Vricella, L., Takemoto, C. Bivalirudin Use in an Infant with Single Ventricle Cardiac Anatomy and Persistent Venous Thrombosis. Society of Critical Care Medicine Meeting, San Francisco, CA (Abstract, Invited)

## Regional

- 2021 *PRIME and the 21<sup>st</sup> century ARPN student*, MNA 2020 Year of the Nurse Nursing Education Summit "Educating for the Future of Nursing", Baltimore, MD
- 2019 The Institute for Excellence in Education (IEE) Johns Hopkins Medicine. *Micro Teaching Workshop*. S.L. Kozachik & **K.M. Brown**. Baltimore, MD 7.2019 (invited)
- 2018 McIltrout, K., Mudd, S., & **Brown, K.M.** Difficult conversations at the bedside: developing acute care PNP student skills in delivering bad news. Maryland Nurses Association Convention, Baltimore, MD (Poster)
- 2018 **Brown K.M.** Maryland Chesapeake National Association of Pediatric Nurse Practitioners (NAPNAP) Conference. Dobkin Research Fund Doctoral Presentation. Columbia, MD (Invited Speaker)

## Podcasts

- 2025 Invited: The Sim Café Podcast. [\*Beyond the Mannequin: Dr. Kristen Brown's Journey in Simulation\*](#)
- 2024 Invited: NONPF Podcast: Chapter IX: Virtual Simulation from 2023 *Guide to Developing Simulations: A Step-By-Step Approach*

## Webinars

- 2022 Invited Speaker: HealthySimulation.com *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Reality for Interprofessional Education* (12.2022) participant rating 4.6/5
- 2022 Invited Speaker: Johns Hopkins School of Nursing Center for Immersive Learning & Digital Innovation. *Interprofessional Education Using Multiplayer Virtual Reality*.
- 2021 Invited Speaker: Global Leading Nursing Education Webinar. *Using Virtual Simulation in Nursing Education: A Roadmap for Best Practice*. College of Nursing at Seoul National University: 11/2021
- 2021 Invited Speaker: *The Future of Healthcare Simulation* (Facebook Live Webinar) Johns Hopkins University School of Nursing. 9/2021
- 2020 Invited Speaker: National Organization of Nurse Practitioner Faculty (NONPF) (2019). *Getting Started-Simulation Best Practices for NP Faculty: 3 Part Webinar Series*; Developing a Business Plan for Standardized Patient Simulation, Simulation 101, and Briefing Basics. Conelius, J. (Chair) and the NONPF Simulation Committee; **Brown K.M. (co-chair)**, Kauschinger, E., Smith, T., Westin, C., Schneidereith, T., Loomis, J., Nye, C., Lioce, L., Brennan, M., and Canady, K.

## Learning Platform

- 2022 Invited Expert: National Organization of Nurse Practitioner Faculties (NONPF)/Nurse Practitioner Associates for Continuing Education (NPACE) New Faculty Development Program. Module: Technology & Learning AR/VR & other Technologies

## EDITORIAL ACTIVITIES

### Peer Review Activities

#### ***Journal Peer Review Activities***

- 2025-present Reviewer, *Clinical Simulation in Nursing*
- 2024-present Reviewer, *Advanced in Simulation*
- 2024-present Reviewer, *Journal of Professional Nursing*
- 2023-present Reviewer, *Simulation in Healthcare*
- 2022-present Associate Editor *Simulation & Gaming*
- 2022-present Reviewer, *Simulation & Gaming*
- 2017-2019 Reviewer, *World Journal for Pediatric Congenital Heart Surgery*

### ***Other Peer Review Activities***

2024	Society for Simulation in Healthcare IMSH 2025 Content Reviewer
2023	Society for Simulation in Healthcare IMSH 2024 Scholarship Reviewer
2019	Abstract Reviewer, <i>The International Pediatric Simulation Symposia and Workshop (IPSSW)</i>
2019	AACN GNSA Award for PhD-DNP Collaboration Excellence
2017	Abstract Reviewer, <i>The International Pediatric Simulation Symposia and Workshop (IPSSW)</i>
2016	Abstract Reviewer, <i>The International Pediatric Simulation Symposia and Workshop (IPSSW)</i>

### **PROFESSIONAL ACTIVITIES**

#### **Program Design & Leadership**

2023-2024	Johns Hopkins University Leadership Development Program (LDP) (selected participant)
2024-present	Johns Hopkins School of Nursing Faculty Interest Group (FIG) Simulation
2022-present	Director, Developer, Curriculum Designer Virtual Simulation and VR for DNP Advanced Practice programs
2020-present	Director, Developer, Curriculum Designer, and Instructor: Virtual simulation and VR curriculum Johns Hopkins School of Nursing
2013-2018	Facilitator/Course Instructor, Pediatric Critical Care Simulation Boot Camp for senior PICU fellows, Johns Hopkins University School of Medicine
2021	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine (virtual program)
2020	Project Lead and curriculum design: Virtual Simulation (screen-based virtual simulation virtual reality) Johns Hopkins School of Nursing
2020	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine (canceled Covid-19)
2018	Director, Developer, Curriculum Designer, and Instructor: Zamierowski Advanced Practice Simulation Boot Camp, Johns Hopkins Medical Simulation Center; Johns Hopkins School of Nursing & Johns Hopkins University School of Medicine
2016-2018	Rapid Response Quality Nursing Instructor, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2016	Director, Developer, Curriculum Designer, and Instructor: PNP Multi-centered Cardiac Critical Care Simulation Boot Camp, Johns Hopkins Medical Simulation Center, Johns Hopkins University School of Medicine
2015-2018	Transition to the Ward (TTW) Simulation training for medical students, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2015-2018	Co-Director: Pediatric Resident Training (PRT) simulation education; Johns Hopkins University School of Medicine, Bloomberg Children's Center
2015	Director, Developer & Instructor, Curriculum Designer, and Instructor: Pediatric Critical Care Nurse Practitioner Simulation Boot Camp, Johns Hopkins Medical Simulation Center, Johns Hopkins University School of Medicine
2014-2017	Lead: Advanced Cardiac Nursing Education, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Lead: RN cardiac basics training, Johns Hopkins University School of Medicine, Bloomberg Children's Center



2014-2017	Co-Director: Pediatric Cardiac Working Group, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Lead: Simulation-based post-op cardiac skills training for pediatric ICU nurses, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2014-2017	Co-Director: Pediatric Ventricular Assist Device Simulation and Just-in-Time Training, Johns Hopkins University School of Medicine, Bloomberg Children's Center
2009-2014	Education Coordinator for Pediatric Intensive Care Nurse Practitioners, Johns Hopkins University School of Medicine, Bloomberg Children's Center

## **Society/Association Memberships and Leadership**

### ***Society for Simulation in Healthcare (SSH)***

2025-present	SSH Board of Directors Executive Committee At-Large Member
2025-present	SSH Accreditation Council (BoD liaison)
2024-present	SSH Board of Directors At-Large
2024-present	SSH Vice-Chair SSH Simulation Grounded Competency Based Education (SG-CBE) Task Force
2024-present	SSH Advocacy Committee
2024-2025	SSH Internal Relations Committee Member
2024-2025	SSH Technology Committee Member (BoD liaison)
2023-present	IMSH Visioning Working Group of the Meetings Oversight Commission
2023-present	SSH Finance and Audit Committee Member
2021-present	Healthcare Distance Simulation Collaboration SSH <ul style="list-style-type: none"> <li>2024 Healthcare Distance Simulation Collaborative: Scholarship Program Administration and Management Committee</li> <li>2023 Healthcare Distance Simulation Collaborative: Pictography/Visual Communication</li> <li>2021 Healthcare Distance Simulation Collaborative: Education/Foundational Considerations</li> </ul>
2015-present	Member

### ***Holomedicine Association***

2022-present	Invited expert
2022-present	Education Committee

### ***Sigma Theta Tau International Honor Society of Nursing***

2019-2021	Nu Beta Chapter Research Committee
2001-present	Member

### ***National Organization of Nurse Practitioner Faculties***

2019-2022	Co-Chair Simulation Committee (invited)
2019-2023	Simulation Committee (invited)
2017-present	Member
2017-2018	Simulation Working Group

### ***American Association of Colleges of Nursing***

2020-present	Fellow (FAAN)
2017-present	Member

### ***International Nursing Association for Clinical Simulation & Learning***

2017-present	Member
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***International Pediatric Simulation Society***

2016-2018      Simulation Research Committee

2015-present    Member

***American Association of Nurse Practitioners***

2016-present    Member

***Pediatric Cardiac Intensive Care Society***

2017-2018      Advanced Practice Education Simulation Steering Committee &

2017-2018      Advanced Practice Education Item Writing Steering Committee

2016-2018      Advance Practice Education Committee

2013-2018      Member

***National Association of Pediatric Nurse Practitioners***

2017-present    Item Writer Pediatric Nursing Certification Board

2005-2023      Member

**CONSULTATIONS**

2023    University of Texas Arlington consultant for simulation-based education

2018    University of Virginia School of Nursing consultant for the Acute Care Pediatric Nurse Practitioner Simulation Program

2016    Zoll® Consultant for resuscitation using rapid cycle deliberate practice (RCDP) training methodology. Bangkok, Thailand

**CURRICULUM VITAE****Part II****EDUCATIONAL ACTIVITIES****Classroom Instruction****Johns Hopkins University School of Nursing**

Spring 2025    110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, Supervised 3 clinical faculty, Doctoral, 18 students

Fall 2024      110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 18 students

Summer 2024    110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students

Spring 2024    110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students

Fall 2023      110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator, 30% effort, Doctoral, 21 students

Fall 2023      110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 3 clinical faculty, Doctoral, 21 students

Summer 2023    110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 24 students

Spring 2023	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 30% effort, Supervised 2 clinical faculty, Doctoral, 10 students
Summer 2022	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 15 students
Summer 2022	Director of Immersive Learning & Digital Innovation Practice; Advanced Practice Simulation Coordinator, 40% effort
Spring 2022	Director of Immersive Learning & Digital Innovation Practice; Advanced Practice Simulation Coordinator, 40% effort
Spring 2022	Interprofessional Education Core Event: Roles and Responsibilities, Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students, 20 students
Spring 2021	Interprofessional Education Core Event: Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students
Fall 2021	110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator, 30% effort, Doctoral, 15 students
Fall 2021	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor effort, 20% effort, Supervised 3 clinical faculty, Doctoral, 15 students
Summer 2021	Advanced Practice Simulation Coordinator, 40% effort
Spring 2021	Advanced Practice Simulation Coordinator, 40% effort
Spring 2021	Interprofessional Education Core Event: Communication and Conflict Resolution, Faculty Mentor, 2 groups, Masters Entry into Nursing, Medical & Pharmacy Students, 20 students
Fall 2020	110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator 15% effort, Doctoral, 9 students
Fall 2020	110.648.8101 Pediatric Primary/Acute Care Practicum, Clinical Instructor 20% effort, Doctoral, 9 students
Fall 2020	Advanced Practice Simulation Coordinator, 40% effort
Fall 2020	Interprofessional Education Core Event; Faculty Mentor, Masters Entry into Nursing, Medical & Pharmacy Students, 10 students
Summer 2020	Advanced Practice Simulation Coordinator, 40% effort
Spring 2020	Advanced Practice Simulation Coordinator, 40% effort
Fall 2019	Advanced Practice Simulation Coordinator, 20% effort
Fall 2019	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 84 students
Fall 2019	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 82 students
Summer 2019	Advanced Practice Simulation Coordinator, 20% effort
Spring 2019	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 59 students
Spring 2019	120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 59 students
Spring 2019	Advanced Practice Simulation Coordinator, 20% effort
Fall 2018	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 72 students
Fall 2018	120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 75 students
Fall 2018	Advanced Practice Simulation Coordinator, 20% effort
Summer 2018	Advanced Practice Simulation Coordinator, 20% effort
Spring 2018	Advanced Practice Simulation Coordinator, 10% effort
Spring 2018	110.537 Health Assessment and Measurement: Pediatric Variations, Theory Course Coordinator, 15% effort, Master's, 2 students
Spring 2018	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 49 students
Spring 2018	120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 53 students
Fall 2017	120.504.0101 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 69 students
Fall 2017	120.504.0201 Pathophysiology I, Theory Course Coordinator, 13% effort, Master's, 75 students
Fall 2017	110.645.8101 Pediatric Acute Care I, Clinical Instructor, 10% effort, post-Master's, 2 students

Fall 2017      Advanced Practice Simulation Coordinator, 10% effort

## **ACADEMIC SERVICE**

### **Johns Hopkins University**

2025    JHU Intellectual Property Policy Committee

2023    JHU Sightline Project

### **Johns Hopkins University School of Nursing**

2024-present    Lead Simulation Faculty Interest Group (FIG)

2019-2021      Sigma Theta Tau Nu Beta Chapter Research Committee

2019-2021      Co-Chair United Way Campaign

2019-2021      DNP Curriculum Committee

2019-2021      Academic Success Center Advisory Committee, member

2017-present    Simulation Advisory Board, member

2017-2020      DNP Taskforce, member

2018-2020      Faculty Steering Committee, secretary

## **MENTORING AND ADVISEMENT**

### **Johns Hopkins University Whiting School of Biomedical Engineering**

2023-2024      Barbara Pejic, Sidharth Ragavan, Jake Hoffmann, Sarah Wu

2023 Johns Hopkins Discovery Grant. Automated sedation state assessment for improved sedation decisions using machine learning and low-cost accelerometry

### **Johns Hopkins School of Medicine**

2021-2023      Jessica LaRosa, MD [PICU Fellow]; Scholarship Oversight Committee: Safety of early mobility in the Pediatric Intensive Care Unit.

Project: Simulation to improve mobility in the PICU

### **Johns Hopkins University School of Nursing**

2024      Faculty Advisor (3 Assistant Professors)

2021      DNP-AP Advisor (8 students)

2020      DNP-AP Advisor (15 students)

2019      DNP-AP Advisor (5 students)

### **Fuld Fellow**

2024-present    Megan Nicklay

### **DNP/PhD Student**

2017-2023      Emma Sexton Cole

Increasing Recognition of Acute Kidney Injury Among Hospitalized Pediatric Patients

Funding: National Institute of Diabetes, Digestive, and Kidneys Predoctoral Fellowship NIDDK NIH F30

### **Research Honors Student-Master's**

2020-2022      Dierra Green

**Johns Hopkins University School of Medicine-Arts as Applied to Medicine**

**Medical and Biological Illustration Graduate Student**

2021-2023 Emily Simpson

Improving Simulation Task Training: A Novel Interactive Resource & 3D Printing Providing Customizable Solutions for Increased Fidelity and Lowering Costs

**Johns Hopkins University School of Medicine Bloomberg Children's Center**

**Clinical Precepting**

2007-2018 Preceptor/Mentor for Nurse Practitioners and Nurse Practitioner Students; ~1-2 students/year

6.2025