

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

**PERSONAL DATA**

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

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**EDUCATION**

<b>Year</b>	<b>Degree</b>	<b>Institution</b>	<b>Location</b>
2017	Doctor of Nursing Practice (DNP)	Johns Hopkins University School of Nursing	Baltimore, MD
2017	Zamierowski Simulation Fellowship	Johns Hopkins University School of Medicine	Baltimore, MD
2006	Master of Science (MS)	University of Maryland School of Nursing	Baltimore, MD
2001	Bachelor of Science in Nursing (BSN)	University of Pittsburgh School of Nursing	Pittsburgh, PA

**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)
2019	Apple®	Apple® Certified Teacher
2018-present	Society for Simulation in Healthcare	Certified Healthcare Simulation Educator (CHSE)
2006-present	Pediatric Nursing Certification Board (PNCB)	Acute Care Certified Pediatric Nurse Practitioner (CPNP-AC)
2006-present	Maryland Board of Nursing	Certified Registered Nurse Practitioner (CRNP)- Acute Care Pediatrics
2003-present	Maryland Board of Nursing	Registered Nurse License (RN)

## PROFESSIONAL EXPERIENCE

<b>Years</b>	<b>Position</b>	<b>Institution</b>	<b>Location</b>
2023-present	Associate Dean for Simulation & Immersive Learning (interim)	Johns Hopkins University School of Nursing	Baltimore, MD
2023-present	Associate Professor	Johns Hopkins University School of Nursing	Baltimore, MD
2021-2022	Director of Immersive Learning & Digital Innovation Practice	Johns Hopkins University School of Nursing	Baltimore, MD
2019-present	Simulation Strategic Projects Lead	Johns Hopkins Medicine Simulation Center, JHSOM	Baltimore, MD
2018-2023	Assistant Professor	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2018	Instructor	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2021	Advanced Practice Simulation Coordinator	Johns Hopkins University School of Nursing	Baltimore, MD
2017-2019	Pediatric Critical Care Simulation Coordinator	Johns Hopkins University School of Medicine Bloomberg Children's Center	Baltimore, MD
2013-2019	Pediatric Cardiac Critical Care Coordinator	Johns Hopkins University School of Medicine Bloomberg Children's Center	Baltimore, MD
2006-2019	Acute Care Pediatric Nurse Practitioner	Johns Hopkins University School of Medicine Bloomberg Children's Center	Baltimore, MD
2004-2006	Pediatric Transport Registered Nurse	University of Maryland Express Care	Baltimore, MD
2001-2003	Pediatric Critical Care Registered Nurse II	Children's Hospital of Pittsburgh	Pittsburgh, PA

## HONORS AND AWARDS

- 2023 Society for Simulation in Healthcare: *2023 Educator of the Year*
- 2023 Society for Simulation in Healthcare Articles of Influence for 2022-23: **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
- 2023 *Nursing Outlook* 2023 Author Awards- Excellence in Education for: A competency roadmap for advanced practice nursing education using PRIME-NP (2022)
- 2022 Johns Hopkins University *Isabel Hampton Robb Fellowship* (Multi-Player VR for IPE)
- 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 AACN-Apple Digital Innovation Bootcamp: From Content to Action, 2019 selected participant
- 2019 National Association of Nurse Practitioners (NAPNAP) *Lisa Milonovich Acute Care PNP (ACPNP) SIG Scholar Award*
- 2018 NLN Leadership Development Program for Simulation Educators, Selected Participant
- 2017 New Nurse Faculty Fellowship, Maryland Higher Education Commission, \$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**

- 2023-2027 HRSA SNAPT- *Supporting Nursing Advanced Practice Transitions*. 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 Behavioral Health Workforce Education and Training Program- American Rescue Plan HRSA - MC1HP42084-01-00. 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: *DNP in Nurse Anesthesiology*. Principal Investigator: Cathy Horvath. Role: Co-Investigator-Simulation Lead 10% effort. Total direct costs \$2,085,872
- 2020-2025 State of Maryland, Health Services Cost Review Commission, Nurse Support Program NSPII. Grant Award NSPII 21-111. *SNAPT - Supporting nursing Advanced Practice Transitions*. 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: *Deconstructing Healthcare Silos: Interprofessional Education Using Multiplayer Virtual Simulation and Virtual Reality for Medical & Nursing Trainees*. Role: Principal Investigator 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
- 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 Accelerated post-NP pediatric acute care education. Principal Investigator: Shawna Mudd. Role: Co-Investigator 15% effort. Curriculum and simulation development. Maryland Higher Education Commission. 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 (NAPNAP). Curriculum design and implementation Total direct costs \$2,000

### Invention/ Disclosures

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

## SCHOLARSHIP

### Publications

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

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

1. 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)
2. **Brown, K.M.**, Perretta, J., Anderson, M., Gilbert, G.E., Miller, G., Horvath, C., Sullivan, N., Jeffers, J.M., Swoboda, S., 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/> \*
3. **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. <https://doi.org/10.3928/01484834-20230110-01> \*
4. 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) \*
5. 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) \*\*
6. 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>
7. **Brown, K. M.**, Swoboda, S. M., Gilbert, G. E., Horvath, C., & Sullivan, N. (2021). 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) \*
8. D'Aoust, R. F., **Brown, K. M.**, Mclltrot, 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) \*
9. VanGraafeiland, B., Busch, D., Mudd, S.M., Mclltrot, 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> \*

10. **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) \*
11. **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) \*
12. 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)
13. 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.000000000000433](https://doi.org/10.1097/SIH.000000000000433)
14. 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)
15. 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)
16. 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.000000000000206](https://doi.org/10.1097/JXX.000000000000206)
17. **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.000000000000180](https://doi.org/10.1097/JPS.000000000000180)
18. 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.000000000000583](https://doi.org/10.1161/CIR.000000000000583)
19. **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) \*

20. 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)

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

1. 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 \*
2. 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 \*
3. \*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
4. \*Kramer, J, **Brown K.M.**, McMillan, KN (2016). Efficacy of antithrombin repletion in ongoing critical illness of the pediatric ICU patient (abstract #607). *Critical Care Medicine* 44 (12), 228. doi: 10.1097/01.ccm.0000509284.95226.b2
5. 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: 10.1097/01.ccm.0000509907.96416.5f
6. 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
7. 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: 10.1097/01.ccm.0000474221.40880.fg
8. 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: 10.1097/01.ccm.0000473922.30159.f3

#### 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

- 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/Presentations/Workshops/Webinars

#### Keynote Speaker

- 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)

#### Webinars

- 2024 Invited Speaker: NONPF Webinar: Chapter IX: Virtual Simulation from *2023 Guide to Developing Simulations: A Step-By-Step Approach*
- 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

### International

- 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 (SUN) Conference 2023. Orlando, Fl. November 2023
- 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 *22nd 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 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 (Invited)
- 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 (Invited)

### National

- 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 speaker)
- 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.**, Llewlynn, 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)
- 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)

(Prior name: Stanich)

## 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 (Oral)
- 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)

## **EDITORIAL ACTIVITIES**

### **Peer Review Activities**

#### *Journal Peer Review Activities*

- 2023-present Reviewer, *Simulation in Healthcare*
- 2022-present Associate Editor *Simulation & Gaming*
- 2022-present Reviewer, *Simulation & Gaming*
- 2017-present Reviewer, *World Journal for Pediatric Congenital Heart Surgery*

#### *Other Peer Review Activities*

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

## **PROFESSIONAL ACTIVITIES**

### **Program Design & Leadership**

- 2022 Director, Developer, Curriculum Designer Virtual Simulation and VR for DNP Advanced Practice programs
- 2020 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)
- 2019 The Institute for Excellence in Education (IEE) Johns Hopkins Medicine. *Micro Teaching Workshop*. S.L. Kozachik & K.M. Brown. 7.2019 Baltimore, MD (invited)
- 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***

- 2024-2026 SSH Board of Directors At-Large
- 2024-2026 SSH Internal Relations Committee Member
- 2023-present SSH Finance and Audit Committee Member
- 2021-present Healthcare Distance Simulation Collaboration SSH
- 2020-2023 SSH Finance and Audit Committee Member
- 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***

2017-present Member

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

2021-present APRN Sig  
2017-present Member

***National League for Nursing***

2018-present Simulation Leader  
2015-present Member

***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-present 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. Asia

**CURRICULUM VITAE**  
**Part II**

**EDUCATIONAL ACTIVITIES**

**Classroom Instruction**

**Johns Hopkins University School of Nursing**

- Spring 2024    110.645.8101 Advanced Pediatric Acute Care Topics & Procedures, Course Coordinator, 30% effort, 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**

2023-present JHU Sightline Project

2023-2024 JHU Leadership Development Program (selected participant)

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

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-present 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**

2021-present DNP-AP Advisor (8 students)

2020-present DNP-AP Advisor (15 students)

2019-present DNP-AP Advisor (5 students)

### **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

2020-2022 Dierra Green  
Research Honors Student-Master's  
Mentor

**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 per  
year.

1.27.2024