

CURRICULUM VITAE

Roksolana Starodub, PhD, ACNP-BC

Assistant Professor
MGH Institute of Health Professions
School of Nursing
36 1st Avenue
Boston, MA 02129-4557
Office Tel: 617-726-0862
E-mail: rstarodub@mghihp.edu

EDUCATION

Ph.D. 2011 – 2015
University of Pennsylvania, Philadelphia, PA
Dissertation Chair and Primary Advisor: Barbara Riegel, PhD, RN, FAHA
• Dissertation Title: “The Use of High-Fidelity Simulation in Training Nurses on the Delivery of Targeted Temperature Management after Cardiac Arrest”

Master of Science in Nursing, Acute Care Nurse Practitioner program 2007 – 2008
University of Pennsylvania, Philadelphia, PA

Bachelor of Science in Nursing 2003 – 2006
Chatham University, Pittsburgh, PA

Diploma in Nursing 2003 – 2005
University of Pittsburgh Medical Center (UPMC) Shadyside School of Nursing, Pittsburgh, PA

LICENSES

Acute Care Certified Registered Nurse-Practitioner
- PA license, active 2008 – 2024
- MA license, active 2020 – 2024

Registered Nurse
- PA license, active 2005 – 2024
- MA license, active 2020 – 2024

Acute Care Nurse-Practitioner Certification 2008 – 2028
American Nurses Credentialing Center

PROFESSIONAL EXPERIENCE - ACADEMIC POSITIONS

Assistant Professor 2020 – present
Massachusetts General Hospital (MGH) Institute of Health Professions, Boston, MA
• Supervising student projects in the Doctor of Nursing Practice (DNP) program
• Teaching Evidence-based Practice and Quality Improvement content in the DNP program
Courses taught:
• DNP866: Discovering the Theory
• DNP867: Analyzing Context of Health Systems Transformation

- DNP966: Translation of Evidence in DNP Practice
- DNP967: Scholarship of Application to Advance the Practice of Nursing
- NH720: Research for Clinical Practice

Lecturer (equivalent to Assistant Professor in the U.S.) 2017 – 2020
 King's College London, Florence Nightingale Faculty of Nursing, Midwifery and Palliative Care,
 London, UK

Courses taught:

- 6KNIN608: Advanced Assessment Skills for Non-Medical Practitioners
- 6KNIN611: Research Methods
- 7KNIM700: Measurement and Evaluation for Healthcare Practice (Course Lead)
- 7KNIA701: Nursing Adults 1
- 7KNIP042: Advanced Quantitative Research Methods
- Gateway to Nursing in North America, post-registration certificate
- Interprofessional Education sessions

Lecturer and Clinical Simulation Instructor 2008 – 2015
 H. Fuld Pavilion for Innovative Learning and Simulation, UPenn School of Nursing, Philadelphia,
 PA, USA

Courses taught:

- N657: Clinical Decision Making in Advanced Practice Nursing
- N671: Principles of Adult Gerontology Acute Care II, ACGNP program
- N673: Advanced Clinical Decisions in Adult Gerontology Acute Care
 - ACGNP program Inter-professional education
- N389 Research/Inquiry Based Service Residency
- N380: Community Nursing
- N255: Nursing of Older Adults
- N245: Nursing Care of Young and Middle-Aged Adult
- N104-106/N163-164: Integrated Human Anatomy, Physiology & Physical Assessment I, II

Inter-professional Patient Safety Fellowship 2013 – 2015
 Philadelphia VA Medical Center, Philadelphia, PA, USA

- Assisted with planning, development, facilitation and debriefing of the hospital-wide mock code and rapid response simulation scenarios
- Participated in root-cause analysis and human factors engineering training

Teaching Assistant, Ph.D program 2011 – 2015
 University of Pennsylvania School of Nursing, Philadelphia, PA, USA

Assisted with course instructional design and evaluation at graduate and undergraduate levels:

- N255: Nursing of Older Adults, Spring 2015
- N245: Nursing of Young and Middle-Aged Adults, Spring 2015
- N547: Scientific Inquiry for Evidence-Based Practice, Fall 2014
- N671: Principles of Adult Gerontology Acute Care II, Spring 2014
- N162: Integrated Physiology, Pharmacology and Therapeutics, Fall 2013
- N674: Adult Gerontology Acute Care NP: Professional Role and Clinical Practicum I, Spring 2013
- N671: Principles of Adult Gerontology Acute Care II, Spring 2013
- N674: Advanced Technology & Clinical Decisions in Acute Care, Fall 2012
- N670: Principles of Adult Gerontology Acute Care I, Fall 2012
- N163: Integrated Human Anatomy, Physiology & Physical Assessment I, Spring 2012

- N132: Human Anatomy & Physiology (Part B), Spring 2012

PROFESSIONAL EXPERIENCE - CLINICAL POSITIONS

Medical Critical Care Advanced Care Provider Fellowship 2016 – 2017
Center for Advanced Practice, Carolinas Medical Center, Charlotte, NC, USA

- Responsible for obtaining complete medical history, history of present illness, ordering diagnostic tests, developing assessment and critical treatment plan, prescribing medications
- Main procedures performed included placement of central lines, arterial lines, paracentesis, thoracentesis

Acute Care Nurse Practitioner 2008 – 2009
Hospital of the University of Pennsylvania (HUP), Liquid Oncology team, Philadelphia, PA, USA

- Responsible for patient assessment, laboratory data/test interpretation, treatment, and evaluation; main procedures performed included bone marrow biopsies, lumbar punctures, and stem cell transplants

Registered Nurse, Level I/II 2005 – 2007
University of Pittsburgh Medical Center (UPMC) Shadyside Hospital, Coronary Care Unit (CCU) and Medical Intensive Care Unit (MICU), Pittsburgh, PA, USA

- Nurse-responder on a hospital-wide Rapid Response and Code Team

RESEARCH EXPERIENCE AND GRANTS

Co-Investigator (Breakey S., PI) 2020 – 2021
Assessing faculty and student knowledge of climate and health and readiness for curricular integration: A mixed-methods study. MGH Institute of Health Professions, School of Nursing Seed Grant, funded.

Researcher (Darzi, A. and Anderson, J., PIs) 2018 – 2019
Improving Organizational Resilience in Acute and Mental Health Settings. This study program aimed to examine organizational resilience across multiple clinical sites in acute and mental health settings, and to identify areas of concern that can be targeted through tailored interventions to improve patient safety. Funded by the Imperial College London Patient Safety Translational Research Centre, Imperial College London / Imperial College Healthcare NHS Trust.

Co-Investigator (Anderson, J., PI) 2017 – 2018
Experiential Teamwork Training for Inter Professional Care: A Realist Evaluation (TeamReVal). NIHR HS&DR stream, Phase 1 (07/09/17) and Phase 2 (22/02/18), not funded.

Principal Investigator (**Starodub R.**, PI) 2014 – 2015
The Use of High-Fidelity Simulation in Training Nurses on the Delivery of Targeted Temperature Management after Cardiac Arrest. Research Pilot Grant, Biobehavioral Research Center, University of Pennsylvania School of Nursing, funded (\$5000).

Principal Investigator (**Starodub R.**, PI) 2014 – 2015
The Use of High-Fidelity Simulation in Training Nurses on the Delivery of Targeted Temperature Management after Cardiac Arrest. Xi Chapter Research Grant, Sigma Theta Tau International Honor Society of Nursing, funded (\$2500).

Ph.D. Candidate, University of Pennsylvania

2011 – 2015

- Designed and conducted a comparative effectiveness study enrolling 52 study participants from three urban hospitals to explore the use of high-fidelity simulation in training critical care and Emergency Room nurses on the delivery of targeted temperature management after cardiac arrest
- Designed and developed study video educational materials, adapted from the Hypothermia and Resuscitation Training Institute at Penn; hired and trained simulation facilitators
- Managed and mentored a team of part-time undergraduate research associates; analyzed data.

PUBLISHED PEER-REVIEWED ARTICLES

Breakey, S., **Starodub, R.**, Nicholas, P. K., Wong, J. (2023). A cross-sectional study to assess faculty and student knowledge of climate change and health: Readiness for curricular integration. *Journal of Advanced Nursing*, 00, 1-16. doi.org/10.1111/jan.15729

Lavelle, M., Darzi, A., **Starodub, R.**, & Anderson, J. (2022). The role of transactive memory systems, psychological safety and interpersonal conflict in hospital team performance. *Ergonomics*, 65(3), 519-529. doi.org/10.1080/00140139.2021.2006771

Sabo, K., **Starodub, R.**, Smoller, S., Kelly, D., Flaherty, K., Quinn, L., & Nicholas, P. (2022). Occupational heat stress: An overview for nurse practitioners. *Journal of the American Association of Nurse Practitioners*, 34(3), 597-603. doi.org/10.1097/JXX.0000000000000665

Nicholas, P. K., Breakey, S., McKinnon, S., Zeman Eddy, E., Fanuele, J., & **Starodub, R.** (2021). A CLIMATE: a tool for assessment of climate change-related health consequences in the Emergency Department. *Journal of Emergency Nursing*, 47(4), 532-542. doi.org/10.1016/j.jen.2020.10.002

Nicholas, P. K., Breakey, S., White, B. P., Brown, M. J., Fanuele, J., **Starodub, R.**, & Viamonte Ros, A. (2020). Mental health impacts of climate change: Perspectives for the emergency department clinician. *Journal of Emergency Nursing*, 46(5), 590-599. doi.org/10.1016/j.jen.2020.05.014

Shegafi, M., Nashef, S., **Starodub, R.**, & Lee, G. (2020). Two decades on – Cardiothoracic surgical care practitioners in the UK: A narrative review. *Journal of Cardiothoracic Surgery*, 15(39), 1-7. doi.org/10.1186/s13019-020-1089-2

Starodub, R., Abella, B. S., Leary, M., Hoyt-Brennan, A. M., Chittams, J., Mancini M. B., Riegel, B. (2020). A comparative study of video lecture versus video lecture and high fidelity simulation for training nurses on the delivery of targeted temperature management after cardiac arrest. *International Emergency Nursing*, 49, 100829. doi.org/10.1016/j.ienj.2019.100829

Dover, N., Baker, E., Raleigh, M., **Starodub, R.**, Bench, S., Garry, B., Lee, G. (2019). A rapid review of educational preparedness of advanced clinical practitioners. *Journal of Advanced Nursing*, 75, 3210-3218. doi.org/10.1111/jan.14105

Panchal, A. R., Fishman, J., Camp-Rogers, T., **Starodub, R.**, & Merchant, R. (2015). An 'Intention-Focused' paradigm for improving bystander CPR performance. *Resuscitation*, 88, 48-51. doi:10.1016/j.resuscitation.2014.12.006

Starodub, R., Abella, B. S., Grossestreuer, A. V., Shofer, F. S., Perman, S. M., Leary, M., &

Gaieski, D. F. (2013). Association of serum lactate and survival outcomes in patients undergoing therapeutic hypothermia after cardiac arrest. *Resuscitation*, 84 (8), 1078-82. doi:10.1016/j.resuscitation.2013.02.001

ACCEPTED CONFERENCE ABSTRACTS AND INVITED PRESENTATIONS

Burrige, J., **Starodub, R.**, Thiesen, J., & Bleau, L. (2023, May 16-17). *Health promotion and preventative screening in adults with disabilities in residential settings: A quality improvement project* [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Duran, J., **Starodub, R.**, Gallagher, K., Morris, M. (2023, May 16-17). *Improving pediatric novice nurses' cardiopulmonary resuscitation psychomotor skills with booster simulation sessions and feedback device: A quality improvement initiative* [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Shattuck, B., **Starodub, R.**, Hassan, B., Stearns T. (2023, May 16-17). *Reducing falls by implementing TIPS refresher training on a medical-surgical unit* [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Nicholas, P., Breakey, S., **Starodub, R.**, Tagliareni, E., Sipe, M. H., Pusey-Reid, E. A., Gona, C. M., Quinn, L., Cox, R., Bernhardt, J., Olayinka, O., Wong, J., Sabo, K., Reidy, P., Evans, L., Evans, R., O'Brien, L., Donati, C., Grande, V., Leary, T., & Steering Committee of the MGH Institute Center for Climate Change, Climate Justice, and Health. (2023, May 16-17). *The National Institutes of Health (NIH) climate change initiative strategic framework* [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Morris, M, Bauman, E.B., Colas, M., Gore, T., Jafri, F.N., Kutzin, J.M., Pantaleao, L., Pota, T., Rosu, C.A., Sand, K., Sanko, J.S., **Starodub, R.** & Palaganas, J. (2023, January 21-25). *Video Conferencing Versus Virtual Reality on Meeting Satisfaction* [Conference presentation abstract]. International Meeting on Simulation in Healthcare (IMSH), Orlando, FL, United States.

Morris, M, Bauman, E.B., Colas, M., Gore, T., Jafri, F.N., Kutzin, J.M., Pantaleao, L., Pota, T., Rosu, C.A., Sand, K., Sanko, J.S., **Starodub, R.** & Palaganas, J. (2022, October 21). *Video Conferencing v. Virtual Reality: Developing Faculty for Future Environments* [Conference presentation abstract]. Association of Schools and Advancing Health Professions 2022 Annual Conference, Long Beach, CA, United States.

Breakey, S., **Starodub, R.**, Nicholas, P., & Wong, J. (2023, January 10). *A cross-sectional study to assess faculty and student knowledge of climate and health and readiness for curricular integration* [Poster abstract]. MGH Institute of Health Professions Research & Scholarship Day, Boston, MA, United States.

Breakey, S., **Starodub, R.**, Nicholas, P., & Wong, J. (2022, September 30). *A cross-sectional study to assess faculty and student knowledge of climate change and health: Readiness for curricular integration* [Conference abstract presentation]. NLN Education Summit, Las Vegas, NV, United States.

Matson, M., Reilly, K., Kelly, L., Murphy Kenyon, M.A., **Starodub, R.** (2022, May 26). *Improving New Graduate Nurses' Comfort and Knowledge in Rapid Response Activation Using Simulation* [Poster abstract]. Karsh Nursing Scholars' Day, Brigham and Women's Hospital, Boston, MA, United States.

Breakey, S., **Starodub, R.**, & Nicholas, P. (2021, September 30). *Assessing faculty and student knowledge of climate and health and readiness for curricular integration: A mixed methods study* [Virtual poster abstract]. Yvonne L. Munn Center for Nursing Research, Massachusetts General Hospital, Boston, MA, United States.

Vekaria, G., Murrells, T., Porter, J., Heightman, M., Sahota, J., Miklasch, T., Beitverda, L., **Starodub, R.** (2019, December). *Weight loss as a predictor of mortality in patients with idiopathic pulmonary fibrosis: A retrospective study* [Conference abstract presentation]. British Thoracic Society, London, United Kingdom. <http://dx.doi.org/10.1136/thorax-2019-BTSabstracts2019.152>

Starodub, R. (2015, October). *The Use of High Fidelity Simulation in Training Nurses on the Delivery of Targeted Temperature Management after Cardiac Arrest* [Conference presentation]. Penn Medicine Clinical Simulation Meeting, Philadelphia, PA, United States.

Starodub, R. (2015, May). *The Use of Debriefing in American Heart Association Courses* [Conference session presentation]. American Heart Association (AHA) Emergency Cardiovascular Care (ECC) Regional Faculty Conference, Philadelphia, PA, United States.

Starodub, R., Abella, B. S., Leary, M., & Riegel, B. (2014, May). *Identifying current practice patterns in U.S. hospitals' therapeutic hypothermia protocols* [Conference poster abstract]. American Association of Critical-Care Nurses (AACN) National Teaching Institute & Critical Care Exposition, Denver, CO, United States.

Starodub, R. (2013, October). *The use of high fidelity simulation in training critical care nurses on the delivery of therapeutic hypothermia after cardiac arrest* [Conference presentation]. Philadelphia Simulation Consortium Research Meeting, Philadelphia, PA, United States.

Starodub, R., Abella, B. S., Grossestreuer, A. V., Shofer, F. S., M., Leary, M., & Gaieski, D. F. (2012, November). *Association of serum lactate and survival outcomes in patients undergoing therapeutic hypothermia after cardiac arrest* [Conference poster abstract]. American Heart Association Resuscitation Science Symposium, Best Original Resuscitation Science Poster Session, Los Angeles, CA, United States.
http://circ.ahajournals.org/cgi/content/meeting_abstract/126/21_MeetingAbstracts/A73

Starodub, R. (2008, April). *Atrial fibrillation ablation: Superior to the antiarrhythmic drug therapy?* [Conference poster abstract]. Research Meeting for the Southeastern Pennsylvania Chapter of American Association of Critical Care Nurses, Philadelphia, PA, United States.

AWARDS AND SCHOLARSHIPS

Marion R. Gregory Award for Distinguished Completed Doctoral Dissertation May, 2016
University of Pennsylvania, Philadelphia, PA

Jonas IV Veterans Healthcare Scholarship 2014 – 2016

Dr. Mary Anne Rizzolo Doctoral Dissertation Award 2014
National League of Nursing (NLN)

Interprofessional Patient Safety Fellow 2013 – 2015
U.S. Department of Veterans Affairs, National Center for Patient Safety

LEADERSHIP AND SERVICE

DNP Program Track Coordinator MGH Institute of Health Professions, Boston, MA	2022 – present
DNP Program, Spring semester coordinator MGH Institute of Health Professions, Boston, MA	2021 – 2022
Search Committee member MGH Institute of Health Professions, Boston, MA	2022 – present
Faculty Development Committee member MGH Institute of Health Professions, Boston, MA	2021 – present
Evaluation Committee member MGH Institute of Health Professions, Boston, MA	2021 – 2022
Center for Climate Change, Climate Justice, and Health Steering committee member, MGH Institute of Health Professions, Boston, MA	2020 – present
Basic Life Support (BLS) product development volunteer American Heart Association, ECC Educational Science and Programs, Dallas, TX	2014 – 2016
Early Career member American Heart Association, ECC Educational Science and Programs	2013 – 2016
Research Working Group Committee member American Heart Association, Emergency Cardiovascular Committee	2011 – 2013
Graduate Associate University of Pennsylvania, Riepe College House	2012 – 2015
Treasurer Federation of Ukrainian Student Organizations of America (SUSTA)	2010 – 2011
Acute Care Nurse Practitioner program representative Graduate Student Organization, University of Pennsylvania	2007 – 2008
School of Nursing representative University of Pennsylvania Council	2007 – 2008

MENTORING STUDENTS

DNP Committees, MGH Institute of Health Professions

First Reader/Chair, Jennifer Duran <i>Improving Pediatric Novice Nurses' Cardiopulmonary Resuscitation Psychomotor Skills with Booster Simulation Sessions and Feedback Device</i>	2022 – 2023
First Reader/Chair, Julianne Burrige <i>Health Promotion and Preventative Screening in Adults with Disabilities in Residential Settings: A Quality Improvement Project</i>	2022 – 2023

First Reader/Chair, Brenda Shattuck 2022 – 2023
Reducing Falls by Implementing TIPS Refresher Training on a Medical-Surgical Unit: A Quality Improvement Project

First Reader/Chair, Karen Manganaro 2021 – 2022
Implementing an Obstetric Comorbidity Risk Assessment Tool by Addressing the Barriers on a Postpartum Unit: A Quality Improvement Project

First Reader/Chair, Megan Matson 2021 – 2022
Improving New Graduate Nurses' Comfort and Knowledge in Rapid Response Activation using Simulation

First Reader/Chair, Rita Morin 2020 – 2021
Improving Good Catch Reporting by Addressing Barriers in the Preoperative Setting

AD HOC JOURNAL & GRANT PEER REVIEW

National League of Nursing (NLN), grant reviewer	2023 – present
Nursing Open	2022 – present
Journal of Emergency Nursing	2022 – present
BMC Nursing	2019 – present
International Journal of Nursing Studies	2019 – present
Journal of Interprofessional Care	2019 – present
British Journal of Nursing	2018 – present
International Emergency Nursing	2017 – present
Journal of Cardiovascular Nursing	2013 – present
Journal of Nursing Doctoral Student Scholarship	2012 – 2015
National League of Nursing (NLN), grant reviewer	2015 – 2017

CERTIFICATIONS AND PROFESSIONAL CONTINUING EDUCATION

Centre for Sustainable Healthcare, Teaching Sustainable Quality Improvement	2022
The Ohio State University Helene Fuld Health Trust National Institute for Evidence-based Practice in Nursing and Healthcare EBP Program Certificate	2021
Yale School of Public Health, Climate Change and Health Certificate	2020
Institute for Healthcare Improvement, Basic Certificate in Quality & Safety	2020
CITI Good Clinical Practice (GCP) Basic Course	2020
Guy's and St. Thomas' NHS Foundation Trust (GSTT) Quality Improvement certificate	2019
Good Clinical Practice (GCP) & the Medicines for Human Use (Clinical Trials) Regulations	2018
Advanced Cardiovascular Life Support (ACLS) Provider certification	2005 – 2018
Basic Life Support (BLS) Provider certification	2003 – 2024

AHA ACLS Instructor certification	2014 – 2016
AHA BLS Instructor certification	2014 – 2016
Inter-professional Patient Safety certification U.S. Department of Veterans Affairs, National Center for Patient Safety	2015
Simulation Faculty/Facilitator Certificate of Completion Thomas Jefferson University, Teaching with Simulation: A Simulation Facilitator Course	2014
University of Pennsylvania, Teaching with Simulation: A Simulation Facilitator Course	2013
Teaching Certificate University of Pennsylvania, Center for Teaching and Learning	2013

PROFESSIONAL AFFILIATIONS

The Alliance of Nurses for Healthy Environments	2023 – present
KCL Global Institute for Women’s Leadership	2019 – present
King’s Academy	2018 – present
KCL NIHR Health & Social Care Workforce Research unit	2018 – 2019
European Society of Cardiology (ESC) Association of Cardiovascular Nursing & Allied Professions	2017 – present
National League for Nursing	2014 – present
American Heart Association	2011 – present
Sigma Theta Tau International, Honor Society of Nursing - Xi Chapter	2008 – present
Society of Critical Care Medicine	2007 – 2010
American Association of Critical Care Nurses	2006 – present