

CURRICULUM VITAE

Roksolana Starodub, PhD, ACNP-BC

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EDUCATION

Ph.D. in Nursing

University of Pennsylvania, Philadelphia, PA

2011 – 2015

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

University of Pennsylvania, Philadelphia, PA

2007 – 2008

Bachelor of Science in Nursing

Chatham University, Pittsburgh, PA

2003 – 2006

Diploma in Nursing

University of Pittsburgh Medical Center (UPMC) Shadyside School of Nursing, Pittsburgh, PA

2003 – 2005

LICENSES

Acute Care Certified Registered Nurse-Practitioner

- PA license active: 2008 – 2024
- MA license active: 2020 – 2026

Registered Nurse

- PA license active: 2005 – 2024
- MA license active: 2020 – 2026

Acute Care Nurse-Practitioner Certification

American Nurses Credentialing Center (ANCC): 2008 – 2028

PROFESSIONAL EXPERIENCE - ACADEMIC POSITIONS

Assistant Professor

MGH Institute of Health Professions, Boston, MA

2020 – present

- 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.)

King's College London, Florence Nightingale Faculty of Nursing, Midwifery and Palliative Care, London, UK

2017 – 2020

- 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

H. Fuld Pavilion for Innovative Learning and Simulation, UPenn School of Nursing, Philadelphia, PA, USA

2008 – 2015

- 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
 - 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 and II
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PROFESSIONAL EXPERIENCE - CLINICAL POSITIONS

Medical Critical Care Advanced Care Provider Fellowship

Center for Advanced Practice, Carolinas Medical Center, Charlotte, NC, USA

2016 – 2017

- 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

Hospital of the University of Pennsylvania (HUP), Liquid Oncology team, Philadelphia, PA, USA

2008 – 2009

- 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

University of Pittsburgh Medical Center (UPMC) Shadyside Hospital, Coronary Care Unit (CCU) and Medical Intensive Care Unit (MICU), Pittsburgh, PA, USA

2005 – 2007

- Nurse-responder on a hospital-wide Rapid Response and Code Team
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RESEARCH EXPERIENCE AND GRANTS

Co-Investigator (Breakey S. PI)

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, 2020 – 2021.

Researcher (Darzi A. and Anderson J. PIs)

Improving Organizational Resilience in Acute and Mental Health Settings. Imperial College London / Imperial College Healthcare NHS Trust, 2018 – 2019.

Co-Investigator (Anderson J. PI)

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, 2017 – 2018.

Principal Investigator (Starodub R. PI)

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), 2014 – 2015.

Principal Investigator (Starodub R. PI)

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), 2014 – 2015.

ACCEPTED CONFERENCE ABSTRACTS AND INVITED PRESENTATIONS

Yoon, S. H., Osgood, P., Hemingway, M., Wong, J., & **Starodub, R.** (2024, October 29). Implementing a mentorship program for new graduate nurses in a perioperative setting [Conference poster presentation]. American Nurses Association (ANA) Enterprise Research Symposium, New Orleans, United States.

Grafton, J., Smith, L., Pearson, M., Wong, J., & **Starodub, R.** (2024, May 23). Implementing an early discharge screening tool for case managers to reduce the length of stay on a medical service line [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Yoon, S. H., Osgood, P., Hemingway, M., Wong, J., & **Starodub, R.** (2024, May 23). Implementing a mentorship program for new graduate nurses in a perioperative setting [Virtual poster]. MGH Nursing Research Day, Boston, MA, United States.

Yoon, S. H., Osgood, P., Hemingway, M., Wong, J., & **Starodub, R.** (2024, April 4). Implementing a mentorship program for new graduate nurses in a perioperative setting [Virtual poster]. Eastern Nursing Research Society, Boston, MA, United States.

Burridge, 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.

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.

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.

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.

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.

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. (2022, September 30). A cross-sectional study to assess faculty and student knowledge of climate change and health: Readiness for curricular integration [Conference presentation abstract]. 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 presentation abstract]. British Thoracic Society, London, United Kingdom. <https://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.
https://doi.org/10.1161/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.

PUBLISHED PEER-REVIEWED ARTICLES

Evans, L. A., Bell, J. G., Wolford, L. L., Sipe, M., **Starodub, R.**, Belanger, B., Do, G., O'Brien, L., & Nicholas, P. (2023). Health Consequences of Climate Change: Continuing Education

Opportunities for Health Professionals in the United States. *The Journal of Continuing Education in Nursing*, 54(12), 561-566. <https://doi.org/10.3928/00220124-20231013-02>

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. <https://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. <https://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. <https://doi.org/10.1097/JXX.0000000000000665>

Nicholas, P. K., Breakey, S., McKinnon, S., Zeman, 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. <https://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, A. (2020). Mental health impacts of climate change: Perspectives for the emergency department clinician. *Journal of Emergency Nursing*, 46(5), 590-599. <https://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. <https://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. <https://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. <https://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. <https://doi.org/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), 1078-1082.
<https://doi.org/10.1016/j.resuscitation.2013.02.001>

AWARDS AND SCHOLARSHIPS

Marion R. Gregory Award for Distinguished Completed Doctoral Dissertation

University of Pennsylvania, Philadelphia, PA
May 2016

Jonas IV Veterans Healthcare Scholarship

2014 – 2016

Dr. Mary Anne Rizzolo Doctoral Dissertation Award

National League of Nursing (NLN)
2014

Interprofessional Patient Safety Fellow

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

LEADERSHIP AND SERVICE

External Faculty Nurse Scientist

Yvonne L. Munn Center for Nursing Research, Massachusetts General Hospital, Boston, MA
2024 – 2026

Curriculum Committee Member

MGH Institute of Health Professions, Boston, MA
2023 – present

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 – 2023

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 Ciara Dimou

2024 – present

- Using a Safety Checklist Tool to Reduce Skin Reactions and Adverse Events after Dermal Filler Injections

First Reader/Chair David Macdonald

2024 – present

- Reducing Anesthetic Gas Usage by Anesthesia Providers in the Operating Rooms: A Quality Improvement Initiative

First Reader/Chair Naomi Martel

2024 – present

- Improving Staff Responsiveness to Patient Needs by Implementing an Acuity Rating Tool for Determining Nursing Assistant Assignments on a Medical-Surgical Unit

First Reader/Chair Michele R. Camara

2023 – 2024

- Improving Medication Reconciliation Rates at a Community Healthcare Center Utilizing Targeted Educational Interventions for Healthcare Providers

First Reader/Chair James Grafton

2023 – 2024

- Implementing an Early Discharge Screening Tool for Case Managers to Reduce the Length of Stay on a Medical Service Line

First Reader/Chair Shin Hae Yoon

2023 – 2024

- Implementing a Mentorship Program for New Graduate Nurses in Perioperative Setting

First Reader/Chair Julianne Burridge

2022 – 2023

- Health Promotion and Preventative Screening in Adults with Disabilities in Residential Settings: A Quality Improvement Project

First Reader/Chair Jennifer Duran

2022 – 2023

- Improving Pediatric Novice Nurses' Cardiopulmonary Resuscitation Psychomotor Skills with Booster Simulation Sessions and Feedback Device

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

Eastern Nursing Research Society

Abstract Reviewer, 2023 – present

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 MEMBER AFFILIATIONS

Eastern Nursing Research Society
2023 – present

The Alliance of Nurses for Healthy Environments
2023 – present

KCL Global Institute for Women's Leadership

2019 – present

King's Academy

2018 – 2020

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