

## **CURRICULUM VITAE – BEVERLEY ROBIN, MD**

### **2. Education:**

- 1983 Certification in Respiratory Therapy;  
Respiratory Therapy Institute; Miami, FL
- 1988 BA, Psychology;  
Florida International University; Miami, FL
- 1992 Post baccalaureate;  
Florida International University; Miami, FL
- 1996 MD;  
Medical College of Wisconsin; Milwaukee, WI

### **Post-graduate Training:**

- 1996 – 1999 Resident in Pediatrics;  
Johns Hopkins Hospital; Baltimore, MD
- 1999 – 2003 Fellow in Neonatology;  
University of Chicago Children's Hospital; Chicago, IL

### **Simulation Education:**

- June 2011 Instructor Certification in Neonatal Simulation;  
Center for Advanced Pediatric and Perinatal Education; Stanford  
University; Palo Alto, CA
- May 2012 Instructor Certification in Healthcare Simulation;  
Center for Medical Simulation; Harvard Medical School; Boston, MA

### **3. Appointments:**

#### **A. Faculty:**

- 2003 – 2008 Assistant Professor of Pediatrics;  
Children's Memorial Hospital/Northwestern University Feinberg School  
of Medicine; Chicago, IL

2011 – Present      Assistant Professor of Pediatrics;  
Rush University Medical Center; Chicago, IL

**B. Leadership:**

2014 – 2016      Instructor of Simulation Education;  
Rush Center for Clinical Skills and Simulation; Rush University Medical  
Center; Chicago, IL

2016 – Present      Director of Pediatric Interprofessional Education and Simulation;  
Department of Pediatrics; Rush University Medical Center; Chicago, IL

**C. Other:**

2008 – 2011      Locum tenens neonatologist (IL, MO, KS, TX, NC, IN)

**4. Clinical Service:**

2003 – 2008      Attending neonatologist;  
Children’s Memorial Hospital/Northwestern University Medical Center;  
Chicago, IL  
– 45 bed level 3 NICU  
– 65 bed level 3 NICU  
– Attended high-risk deliveries, performed antenatal consultations  
16 weeks of clinical service, 56 calls/year

2008 – 2011      Locum tenens neonatologist;  
– Level 2 and 3 NICUs  
– Attended high risk deliveries, performed antenatal consultations  
14-18 weeks of clinical service, approximately 100 calls/year

2011 – Present      Attending neonatologist  
Rush University Medical; Chicago, IL  
– 60 bed level 3 NICU  
– Attend high risk deliveries, perform antenatal consultations  
16 weeks of clinical service, 40 calls/year

**5. Honors and Awards:**

2001      Selected Participant; 13<sup>th</sup> Annual NICHD Aspen Conference on Maternal  
Fetal Neonatal Reproductive Medicine; Aspen, CO

2001      Recipient; Children’s Hospital Fellows’ Research Foundation Grant;  
University of Chicago, IL

2014      Recipient; First Place Best Simulation Workshop, 6<sup>th</sup> International  
Pediatric Simulation Symposia and Workshops; Vienna, Austria

2015      Selected Participant; AAMC Mid-Career Women Faculty Professional  
Development Seminar; Austin, TX

2017 Recipient: Second Place Program Innovation, 17<sup>th</sup> Annual International Meeting on simulation in Healthcare; Orlando, FL

## 6. Certifications and Licensure:

### Board Certification:

2002, 2012 General Pediatrics – American Board of Pediatrics  
2003, 2013 Neonatal-Perinatal Medicine – American Board of Pediatrics

### Medical Licensure:

1999 – Present Illinois Medical License  
1999 – Present Federal DEA License  
2008 – Present Missouri Medical License  
2010 – Present Texas Medical License

### Other Certifications:

2010 – Present Neonatal Resuscitation Program (NRP) Instructor  
2014 – Present Neonatal Resuscitation Program (NRP) Regional Trainer  
2014 – Present Certified Healthcare Simulation Educator (CHSE)

## 7. Society Memberships:

1996 – Present American Academy of Pediatrics (Fellow)  
2008 – Present Illinois Chapter of American Academy of Pediatrics  
2011 – Present Society for Simulation in Healthcare  
2012 – Present International Pediatric Simulation Society  
2014 – Present International Nursing Association for Clinical Simulation and Learning  
2015 – Present Association of Standardized Patient Educators  
2015 – Present Association for Medical Educators in Europe  
2015 – Present International Association of Medical Science Educators

## 8. Committee Service:

1994 – 1996 Member; Medical School Admissions Committee;  
Medical College of Wisconsin; Milwaukee, WI  
2005 – 2007 Member; Institutional Review Board;  
Children’s Memorial Hospital; Chicago, IL  
2006 – 2008 Member; Medical School Admissions Committee;  
Northwestern University Feinberg School of Medicine; Chicago, IL  
2011 – Present Member; University of Illinois Health Sciences Simulation Consortium;  
University of Illinois; Chicago, IL  
2012 – Present Member; Pediatric Resident Selection Committee;  
Rush University Medical Center; Chicago, IL  
2012 – Present Member; Neonatal Resuscitation Committee;  
Rush University Medical Center; Chicago, IL  
2012 – Present Member; Bronchopulmonary Dysplasia Prevention Committee;  
Rush University Medical Center; Chicago, IL  
2012 – Present Member; Rush University Simulation Lab Advisory Committee;  
Rush University Medical Center; Chicago, IL  
2015 – Present Member; Society for Simulation in Healthcare; Education Committee

2015 – Present Member; International Pediatric Simulation Society; Education Committee

## 9. **Educational Activities:**

### **A. Teaching**

2003 – 2008 Preceptor; NICU;  
Children’s Memorial Hospital NICU and /Northwestern University Medical Center; Chicago, IL  
– Clinical teaching/supervision, neonatology fellows, pediatric residents, neonatal nurse practitioners (NNP), medical and NNP students  
16 weeks of clinical service

2006 – 2007 Instructor; Physical Exam Skills; M1 Class;  
Northwestern University/Feinberg School of Medicine; Chicago, IL  
– Standardized patient based semester long course  
15 learners/year

2006 – 2007 Instructor; Communication in Medicine; M1 Class;  
Northwestern University/Feinberg School of Medicine; Chicago, IL  
– Standardized patient-based semester long course  
15 learners/year

Winter 2007 Instructor; Problem Based Learning, M1 Class;  
Northwestern University/Feinberg School of Medicine; Chicago, IL  
– Case based learning, semester long course  
15 learners

2011 – Present Preceptor; NICU;  
Rush University Medical Center; Chicago, IL  
– Clinical teaching/supervision pediatrics residents, neonatal nurse practitioners (NNP), medical, respiratory therapy and NNP students  
16 weeks of clinical service

2012 – Present Lecturer; NICU;  
Rush University Medical Center; Chicago, IL  
– Monthly neonatal lecture for pediatric residents and medical students  
4-6 learners/month

### **B. Course Directorship**

2012 – Present Course Director; Neonatal Resuscitation Program;  
Rush University Medical Center; Chicago, IL  
– Interprofessional simulation-based resuscitation training for pediatrics, internal medicine pediatrics and obstetrics residents, and emergency department staff  
Train: 60 - 80 learners/year  
Oversee faculty: 12-16/year

- 2013 – Present Course Director; M4 newborn ICU elective;  
Rush Medical College; Chicago, IL  
– Clinical teaching/supervision and evaluation of M4 students  
Approximately 10 learners/year
- 2015 – Present Course Director; Teaching Excellence Course: Simulation in Health  
Professions Education Track;  
Rush University Medical Center; Chicago, IL  
– Annual, five-week faculty development program as part of a larger  
faculty development course  
Approximately 20 learners/year
- 2016 – Present Course Director; M4 newborn ICU sub-internship;  
Rush Medical College; Chicago, IL  
– Clinical teaching/supervision and evaluation of M4 students  
Approximately 6 learners/year
- 2016 – Present Course Director; M3 pediatric clerkship newborn ICU rotation;  
Rush Medical College; Chicago, IL  
– Clinical teaching/supervision and evaluation of M3 students  
Approximately 40 learners/year

### **C. Selected Simulation Program Development**

- 2010 Creator; Pediatrics resident procedural skills curriculum;  
Graham Clinical Performance Center; University of Illinois College of  
Medicine; Chicago, IL  
– Created and validated 6 pediatric procedural skill checklists  
– Designed and implemented simulation-based pediatric procedural  
skills curriculum  
Ongoing, 18 learners/year
- 2011 Creator; M3 pediatric clerkship simulation program;  
Graham Clinical Performance Center; University of Illinois College of  
Medicine; Chicago, IL  
– Developed and implemented hybrid simulation program (mannequin  
combined with trained actor in the role of parent) into pediatric clerkship  
Ongoing, 180 learners/year
- 2013 Creator; Neonatology fellow procedural skills curriculum;  
Graham Clinical Performance Center; University of Illinois College of  
Medicine; Chicago, IL  
– Created and validated 5 neonatal procedural skill checklists  
– Designed and implemented simulation-based neonatal procedural  
skills curriculum  
8 learners

- 2014 – 2016 Creator; Simulation-based M4 neonatal procedural skill workshop; Rush Medical College; Chicago, IL  
 – Designed and implemented simulation-based procedural skill training as a component of Clinical Bridges Course that prepares students for future clinical practice  
 Ongoing, 25 learners/year
- 2014 – 2015 Creator; Debriefing Interprofessional Teams Workshop; Rush Center for Clinical Skills and Simulation; Chicago, IL  
 – Created, led 4-hour CME/CNE designation faculty development workshop  
 Three times/year, approximately 36 learners/year
- 2014 – Present Creator; Neonatal nurse practitioner simulation practicum; Rush College of Nursing; Rush University Medical Center; Chicago, IL  
 – Designed, lead simulation-based training for graduate level neonatal nurse practitioner students  
 10-12 students/year
- 2016 – Present Creator; Pediatric interprofessional hybrid simulation program; Rush Colleges of Nursing and Medicine; Chicago, IL  
 – Developed and implemented interprofessional hybrid simulation program (mannequin combined with trained actor in the role of parent) into pre-clinical RN and M3 pediatric clerkship curricula  
 – Grant-funded  
 – Ongoing, 180 learners/year

#### **D. Simulation-based Hospital Systems Testing/Staff Training**

- 2013 – 2014 Creator; TESTPILOT (Transportable Enhanced Simulation Technology for Pre-implementation Limited Operations Testing) Rush University Medical Center, Chicago, IL  
 – Designed and conducted large-scale, interprofessional *in situ* simulations prior to occupancy of a new single family room NICU  
 – Identified latent safety threats and gaps in family centered care  
 – Prepared staff for work in the new environment  
 – Resulted in international recognition  
 6 sessions, 160 total participants
- October 2013 Creator; Interprofessional mother baby unit simulation Rush University Medical Center; Chicago, IL  
 – Designed and implemented interprofessional neonatal resuscitation for mother baby unit/NICU staff  
 – Test workflows and identify latent safety threats  
 10 participants

Sept 2015 Creator; Interprofessional conjoined twin simulation  
Rush University Medical Center; Chicago, IL  
– Designed and implemented interprofessional simulation to identify best practices for delivery and resuscitation of craniopagus conjoined twins  
14 participants

#### **E. Simulation Consulting Work**

2011 – Present Consultant; Simulation faculty  
Graham Clinical Performance Center; University of Illinois College of Medicine; Chicago, IL  
– Run and debrief M3 pediatric clerkship hybrid simulation program  
– Once every other month  
24 learners/year

2015 Consultant; Obstetrics in situ simulation training  
Rush University Medical Center; Chicago, IL  
– Assist with development and implementation of in situ simulations

2015 – 2016 Consultant; Interprofessional Education Pediatrics Through Program  
Rush University; Chicago, IL  
– Assisted with development and implementation of team OSCEs  
– HRSA-funded grant  
– PIs: Jan Odiaga, Joanne Miller; College of Nursing  
Approximately 30 learners/year

September 2016 Consultant; TESTPILOT  
Sainte Justine Hospital; Montreal, Canada  
– Development and preparation of TESTPILOT  
– On-site consultation and implementation of TESTPILOT

#### **10. Mentorship:**

2015 – Present Svetlana Melamed, MD; Pediatrics resident  
Rush University Medical Center; Chicago, IL  
– Resident-led simulation-based pediatric procedural skill curriculum  
– Grant funded

#### **11. Editorial Review:**

2015 – Present Abstract reviewer; Society for Simulation in Healthcare  
2016 – Present Abstract reviewer; Pediatric Academic Society

#### **12. Scientific and Scholarly Activities:**

##### **A. Presentations:**

1. **Robin B.** Perinatal lung disease. Illinois Society for Respiratory Care Neonatal and Pediatric Respiratory Conference; Moraine Valley Community College; Palos Hills, IL; September 2006.

2. **Robin B.** Communication in medicine. Monash University Hospital; Melbourne, Australia; February 2007.
3. **Robin B.** Congenital lung malformations. Florida Association of Neonatal Nurse Practitioners – 20<sup>th</sup> Annual Symposium; Clearwater Beach, FL; October 2009.
4. **Robin B,** Le Donne C, Scott S, Shadrake L. Training the trainer: Making significant distinctions between standardized participants and confederates in high-fidelity mannequin simulation. Expert panel; International Meeting for Simulation in Healthcare; San Francisco, CA; January 2014.
5. **Robin B.** RUSH safely into a new NICU: Enhancing patient safety through in situ simulation. 13<sup>th</sup> Annual Perinatal Focus conference: A practical approach to clinical issues; Oak Brook, IL; May 2014.
6. **Robin B.** Simulation in health professions education: Making “see one, do one, teach one” a thing of the past. Rush Offices of Academic Affairs and Mentoring Programs Meet the Expert Seminar series; Chicago, IL; December 2014.
7. **Robin B.** Debriefing Interprofessional Teams – Part I. Faculty Interprofessional Education Brown Bag Monthly Series. Rush University Medical Center; Chicago, IL; May 2016.
8. **Robin B.** Debriefing Interprofessional Teams – Part II. Faculty Interprofessional Education Brown Bag Monthly Series. Rush University Medical Center; Chicago, IL; June 2016.
9. **Robin B,** Meltzer L, Richter L, Schafer K, Piotrowski-Walters K, Van Opstal E, Kuppy J. Enhancing Pediatric Interprofessional Education Through Hybrid Simulation – Nursing and Medical Students Learning Together. 14<sup>th</sup> Annual Chicago Simulation Consortium Conference; Chicago, IL; August 2016.
10. Perry P, Banton D, Castillo A, Claudio M, Curiel M, Hunter R, Kolettis D, Mehendale R, Rivers L, Zilic M, **Robin, B.** “Emergency C-Section!”: Interprofessional In Situ Simulation – Design and Pilot. 14<sup>th</sup> Annual Chicago Simulation Consortium Conference; Chicago, IL; August 2016.
11. Odiaga J, Miller J, Gierlowski T, Dave U, **Robin B.** Formative Debriefing in Team Observed Simulation Encounters to Promote Team Performance. Interprofessional Care for the 21<sup>st</sup> Century Conference – Redefining Education and Practice; Pittsburgh, PA; October 2016.

## **B. Workshops:**

1. Yudkowsky R, Nicholas C, Blatt B, **Robin B.** How to establish defensible passing standards for local performance testing. International Meeting for Simulation in Healthcare; Orlando, FL; January 2013.
2. **Robin B,** Bender G. Orchestrating in situ simulation for safety in new healthcare environments. 6<sup>th</sup> International Pediatric Simulation Symposia and Workshops; Vienna Austria; April 2014.
3. LeDonne C, **Robin B,** Scott S. Training standardized participants and confederates for distinct roles in mannequin simulation. International Meeting for Simulation in Healthcare; New Orleans, LA; January 2015.
4. Soghier L, **Robin B,** Owens J. The P-LHET – An easy alternative to Kern’s six-step approach. International Meeting for Simulation in Healthcare; New Orleans, LA; January 2015.
5. **Robin B,** Bender G. Orchestrating in situ simulation for safety in new healthcare environments. International Meeting for Simulation in Healthcare; New Orleans LA; January 2015.



6. **Robin B**, Pocius A, Lawrence C, Diamond M, Bender G. The environment that best supports the high-risk infant: Closing the gap on “what is” and “what should be” through in situ simulation. 28<sup>th</sup> Annual Gravens Conference on the Physical and Developmental Environment of the High Risk Infant; Clearwater, FL; March 2015.
7. **Robin B**, Dadiz R, Bender G. Enhanced Simulation to Identify Latent Safety Hazards in Your NICU. Vermont Oxford Network 2015 Annual Quality Congress; Chicago, IL; October 2015.
8. Owens JL, Soghier L, **Robin B**. Designing Simulation-based Education Sessions Using the P-LHET. International Meeting for Simulation in Healthcare; San Diego, CA; January 2016.
9. Bender G, Dadiz R, **Robin B**. Simulation to Identify Latent Safety Threats in Healthcare Environments. Pediatric Academic Society Meeting; Baltimore, MD; May 2016.
10. **Robin B**, Owens J, Soghier L. Designing, developing and conducting an effective workshop. 8<sup>th</sup> International Pediatric Simulation Symposia and Workshops; Glasgow, Scotland; May 2016.
11. Owens J, Soghier L, **Robin B**. The P-LHET: A novel approach to designing simulation-based education sessions. Association of Standardized Patient Educators, Asia-Pacific Conference; Singapore; November 2016.
12. **Robin B**, Owens J, Soghier L. Designing, developing and conducting an effective workshop. Association of Standardized Patient Educators, Asia-Pacific Conference; Singapore; November 2016.
13. **Robin B**, Soghier L, Owens J. Designing, developing and conducting an effective workshop. International Meeting for Simulation in Healthcare; Orlando, FL; January 2017.

### C. Peer-Reviewed Poster Presentations

1. **Robin B**, Kim Y, Huth J, Klocksieben J, Torres M, Tepper RS, Castille RG, Solway J, Hershenson MB, Goldstein-Filbrun A. Pulmonary Function in Bronchopulmonary Dysplasia. American Thoracic Society; Atlanta, GA; May 2002.
2. Fuller J, Hirschman J, Barnickol L, Nimmagadda S, **Robin B**, Singh J, Wall S. Life Stress and Parenting Stress in Mothers with High-Risk Infants – A Descriptive Study. Society for Pediatric Research; San Francisco, CA; May 2004.
3. Idler A, Srivastava P, **Robin B**, Yudkowsky R. “See one, do one, teach one” a thing of the past: Using simulation technology to teach pediatric procedural skills. Annual meeting of the Association of Pediatric Program Directors; San Antonio, TX; March 2012.
4. **Robin B**, Hayes K, Silvestri JM. Delivery Room Neonatal Resuscitation; To Simulate or Not to Simulate: That is the Question. Pediatric Academic Society Meeting; Washington, DC; May 2013.
5. **Robin B**, Zahn M, Hayani K, Hupert J. Enhancing Medical Students’ Pediatric Clinical Experience Through High-fidelity Simulation-based Training. 11<sup>th</sup> Annual Clinical Skills Education Chicago Style Conference; Chicago, IL; August 2013.
6. Bender G, **Robin B**. Qualitative Analysis: Development of a Classification System for Latent Safety Threats. Eastern Society for Pediatric Research; Philadelphia, PA; March 2014.
7. **Robin B**, Bender G. RUSH Safely Into a New NICU. 6<sup>th</sup> International Pediatric Simulation Symposia and Workshops; Vienna, Austria; April 2014.
8. Bender G, **Robin B**. Qualitative Analysis: Development of a Classification System for Latent Safety Threats. 6<sup>th</sup> International Pediatric Simulation Symposia and Workshops; Vienna, Austria; April 2014.

9. **Robin, B.** RUSH Safely Into a New NICU. 12<sup>th</sup> Annual Conference of the Chicago Simulation Consortium; Chicago, IL; August, 2014.
10. Brennan G, Scott S, **Robin B.** Crisis resource management as a tool for improving neonatal outcomes? International Meeting for Simulation in Healthcare; New Orleans, LA; January 2015.
11. Pocius A, Lawrence C, Gist D, Hayes K, Overby J, Selenica J, Meier P, **Robin B.** Staff Perceptions of Improvements in the Family Environment and Workplace Quality after Transition from an Open-Bay to a Single Family Room Neonatal ICU. 28<sup>th</sup> Annual Gravens Conference on the Physical and Developmental Environment of the High Risk Infant; Clearwater, FL; March 2015.
12. Bender G, **Robin B.** Immerse Experts in New Healthcare Environments to Expose Safety Threats with In Situ Simulation. International Pediatric Simulation Symposia and Workshops; Vancouver, Canada; May 2015.
13. Patel AL, **Robin B,** Buchanan A, Christian E, Nandhan V, Shroff A, Meier PP. Beneficial Effect of Human Milk on Chronic Lung Disease in Very Low Birth Weight Infants. Pediatric Academic Society Meeting; San Diego, CA; May 2015.
14. **Robin B,** Bender G. In Situ Simulation: Identifying Safety Threats and Gaps in Family Centered Care in the Single Family Room Neonatal ICU Environment. International Meeting for Simulation in Healthcare; San Diego, CA; January 2016.
15. **Robin B,** Lawrence C, Lamartina D, Walsh N, Wojtowicz A, Kolettis DS, Pombar X, Selip D. Craniopagus conjoined twins: Optimizing delivery and resuscitation through interprofessional in situ simulation. 8<sup>th</sup> International Pediatric Simulation Symposia and Workshops; Glasgow, Scotland; May 2016.
16. Smith A, Mozer M, Sowa D, **Robin B.** Simulation-based training: A novel approach to meeting Joint Commission standards for inpatient food delivery. 14<sup>th</sup> Annual Chicago Simulation Consortium Conference; Chicago, IL; August 2016.
17. **Robin B,** Lawrence C, Lamartina D, Walsh N, Wojtowicz A, Kolettis DS, Pombar X, Selip D. Craniopagus conjoined twins: Optimizing delivery and resuscitation through interprofessional in situ simulation. 14<sup>th</sup> Annual Chicago Simulation Consortium Conference; Chicago, IL; August 2016.
18. LaGorio L, **Robin B,** Izaguirre D, Simler M. Using clinical simulation to teach tracheostomy management skills to master's level graduate speech-language pathology students. The American Speech-Language Hearing Association Convention; Philadelphia, PA; November 2016.
14. Soghier L, Moussa, Vaccharajani A, **Robin B.** Neonatal LMA insertion – Use of Task Analysis to Inform the Development of a Procedural Checklist. International Meeting for Simulation in Healthcare; Orlando, FL; January 2017.
15. **Robin B,** Walsh N, Wojtowicz A. Craniopagus conjoined twins: Optimizing delivery and resuscitation through interprofessional in situ simulation. International Meeting for Simulation in Healthcare; Orlando, FL; January 2017.

#### D. Bibliography:

##### Book Chapters

1. **Robin, B.** Pain Management and Sedation. *The Harriet Lane Handbook*. Mosby, 15<sup>th</sup> edition; 1999.
2. Alexander D, **Robin B.** Neonatology. *The Harriet Lane Handbook*. Mosby, 15<sup>th</sup> edition; 1999.
3. Contributor – Airway Chapter. *The S.T.A.B.L.E Program; Guidelines for Neonatal Healthcare Providers*. Kristine Karlson, 6<sup>th</sup> edition; 2013.

### Peer-reviewed Publications

1. **Robin B**, Kim Y, Huth J, Klocksieben J, Torres M, Tepper RS, Castile RG, Solway J, Hershenson MB, Goldstein-Filbrun A. Pulmonary Function in Bronchopulmonary Dysplasia. *Pediatr Pulm* 2004; 37: 236-242.
2. Somera-Molina KC, **Robin B**, Anderson C, Stine C, Koh S, Behanna HA, Van Eldik LJ, Watterson DM, Wainwright MS. Glial activation links early-life seizures and long term neurologic dysfunction: evidence using a small inhibitor of pro-inflammatory cytokine upregulation. *Epilepsia* 2007; 48(9):1785-1800.
3. Patel AL, Johnson TJ, **Robin B**, Bigger HR, Buchanan A, Christian E, Nandhan V, Shroff A, Schoeny M, Engstrom JL, Meier PP. Influence of own mother's milk on bronchopulmonary dysplasia and costs. *Arch Dis Child Fetal Neonatal Ed*. doi:10.1136/archdischild-2016-310898.

### Publications in Preparation

1. **Robin B**, Bender J. Qualitative Analysis using Taxonomy of Latent Safety Threats; *manuscript in preparation*.
2. **Robin B**, Soghier L. Neonatal Simulation Guidebook. American Academy of Pediatrics; *in preparation*.