

CURRICULUM VITAE
Margaret (Meg) Scheffler, MD

Rhode Island Hospital/Hasbro Children's Hospital
Department of Pediatrics
Division of Pediatric Critical Care Medicine
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EDUCATION

- 2000 BA Biologic Science and History
Wellesley College, Wellesley, MA
- 2002 Drexel University College of Medicine
Interdisciplinary Medical Science Program, certificate of completion awarded.
- 2006 MD Drexel University College of Medicine
Philadelphia, PA

POST GRADUATE TRAINING

- 2006-2009 Internship and Residency in Pediatrics
Baylor College of Medicine Department of Pediatrics
Texas Children's Hospital
Ben Taub General Hospital
Houston, TX
- 2009- 2012 Fellowship in Pediatric Critical Care
Baylor College of Medicine Department of Pediatrics
Texas Children's Hospital
Houston, TX

POSTGRADUATE HONORS AND AWARDS

- 2004 Drexel University College of Medicine Volunteer Service Award
- 2006 American Medical Women's Association
Glasgow-Rubin Citation for Academic Achievement
- 2006- present Member, Alpha Omega Alpha Honor Medical Society
- 2006 Elizabeth Blackwell Prize to an Excellent Female Student in the Graduating Class,
Drexel University College of Medicine
- 2006 Student Speaker, Drexel University College of Medicine Commencement
- 2013 Rhode Island Hospital Teaching Award in Pediatrics

- 2015 Warren Alpert Medical School of Brown University 2015 Dean’s Excellence in Teaching Award
- 2016 Hasbro Children’s Hospital “Brite Lite” Award: Brite Lites are nominated by families and selected as those who best exemplify “the four Cs” at Hasbro Children’s Hospital: caring, communication, cooperation and competence.
- 2016 AAMC Early Career Women Faculty Professional Development Seminar: attendee; by application only
- 2018 Department of Pediatrics Division Teaching Award, given to the Division of Pediatric Critical Care Medicine
- 2019 Rhode Island Monthly magazine’s “Top Doc” in Critical Care Medicine
- 2020 Rhode Island Monthly magazine’s “Top Doc” in Critical Care Medicine

PROFESSIONAL LICENSES AND BOARD CERTIFICATIONS

- 2009- 2013 State of Texas – Physician Full Permit
- 2012- present State of Rhode Island-- Physician Full Permit
- 2009- present American Board of Pediatrics, Certified Diplomate
- 2012- present American Board of Pediatrics, Subboard of Pediatric Critical Care Medicine, Certified Diplomate

ACADEMIC APPOINTMENTS

- 2012- present Assistant Professor of Pediatrics, Clinician Educator, Alpert Medical School, Brown University

HOSPITAL APPOINTMENTS

- 2010-2012 Transport Services Quality Improvement Committee
Texas Children’s Hospital
- 2013- 2017 Subject Matter Expert, Lifespan Epic Implementation Project
- 2013- present Physician Co- lead, Adverse Drug Event group, Hasbro Children’s Hospital/ National Children’s Network quality improvement initiative
- 2013- present Coordinator, Pediatric Critical Care Morbidity and Mortality Section Conferences
- 2013- present Co-coordinator, Pediatric Critical Care and Pediatric Surgery Morbidity and Mortality Section Conferences
- 2013- 2015 Ad hoc member, Pediatric Critical Care Medicine Faculty Search Committee
- 2015- present Member, Pediatric Surgery Clinical Competency Committee
- 2018- present Medical Director, Hasbro Children’s Hospital Pediatric Sedation Service
- 2018- present Member, Lifespan Opioid Shortage Task Force

UNIVERSITY COMMITTEES

- 2013- present Member, Faculty Development Committee, Department of Pediatrics, Brown University Alpert Medical School
- 2016- present Member, Alpert Medical School Medical Committee on Academic Standing and Promotion
- 2016 Chair, Clinical Faculty Education Task Force of the Department of Pediatrics

2017- present	Member, Alpert Medical School Committee on Learning Environment
2017- present	Member, Office of Women in Medicine and Science Advisory Board
2018	Leader, Task Force for IT Optimization for the Department of Pediatrics

NATIONAL COMMITTEES

2016- present	AAP Section on Critical Care: Quality and Safety Subcommittee
2017- present	Society of Critical Care Medicine Committee on Drug Shortages and Medication Safety

OTHER COMMITTEES

2018- present	Society of Critical Care Medicine Annual Congress abstract reviewer
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MEMBERSHIP IN SOCIETIES

2006- present	American Academy of Pediatrics, Fellow
2006- 2012	American Heart Association, PALS certified
2009- present	Society of Critical Care Medicine, Member
2015- present	Academic Pediatric Association, Member

PUBLICATIONS LIST

Abstracts

1. Polikoff, L; Snelling, L; Sediva, I; **Scheffler, M** et al. Focused Genetic Testing for Rare Genetic Diseases Causing Pediatric Status Epilepticus. Research Snapchat (oral presentation) #1811. Society of Critical Care Medicine 46th Critical Care Congress Honolulu, Hawaii 2017
2. Dowla, N; **Scheffler, M** et al. “The First Five Minutes”: A boot camp to prepare interns for the pediatric wards. Poster presentation, American Medical Association “Accelerating Change in Medical Education” Spring Consortium Meeting Providence, RI 2018
3. **Scheffler, M**; Simas, D; Reinert, S; Snelling, L. Effects of a Benzodiazepine- and Opioid- Restrictive Sedation Strategy in Ventilated Children. Research Snapchat (oral presentation) #983. Society of Critical Care Medicine 48th Critical Care Congress, San Diego CA 2019

Peer Reviewed Journal Articles

1. Bejaoui, K; Wu, C; **Scheffler, MD** et al. SPTLC1 is mutated in hereditary sensory neuropathy, type 1. *Nature Genetics*. Vol. 27, No. 3. March 2001.
2. Al-Chalabi, A; **Scheffler, MD**, Smith, B et al. Ciliary neurotrophic factor genotype does not influence clinical phenotype in amyotrophic lateral sclerosis. *Annals of Neurology*. Vol. 54, No. 1. July 2003.
3. Sapp, PC; Hosler, BA; McKenna-Yasek, D; Chin, W; Gann, A; Genise, H; Gorenstein, J; Huang, M; Sailer, W; **Scheffler, MD** et al. Identification of two novel loci for dominantly inherited familial amyotrophic lateral sclerosis. *American Journal of Human Genetics*. Vol. 73, No. 2. August 2003
4. **Scheffler, MD**. Critical appraisal of: *Khemani RG, Patel NR, Bart RD 3rd, Newth CJ*. Comparison of the Pulse Oximetric Saturation/Fraction of Inspired Oxygen Ratio and the PaO₂/Fraction of Inspired Oxygen Ratio in Children. *Chest* 2009 135(3):662-8. In the PedsCCM Evidence Based Journal Club, January 2011.

5. Mehta R, **Scheffler M**, et al. Lactate dehydrogenase and caspase activity are predictors of bronchiolitis severity. *Influenza and Other Respiratory Virus*. Vol. 8, No. 6. November 2014
6. Nicholson E, Schlegel C, Garofalo R, Mehta R, **Scheffler M**, Mei M, Piedra P. A robust cytokine and chemokine response in nasopharyngeal secretions is associated with decreased severity in children with physician diagnosed bronchiolitis. *J Infect Dis*. May 2016
7. **Scheffler, M**, Willis, S. Standard Medication Concentrations: An opportunity to reduce medication errors. *SCCM Critical Connections*. February 2019.
8. Hakimi R, Fritschle A, **Scheffler M**, Roberts R. Peripheral vasopressors: Friend or Foe? *SCCM Critical Connections*, May 2019.
9. Wolbrink T, vanSchaik S, Turner D, Staffa S, Keller E, Boyer D, Chong G, Cross J, Castillo S, Feng D, Hum RS, James EJ, Johnson A, Kandil S, Kneyber M, Rameshkumar R, Levin A, Lodha R, Jayashree, Olivero MA, Oberender F, Panesar RS, Pooni P, Rehder K, Sankaranarayanan S, **Scheffler M**, Sharara-Chami R, Siems A, Tegtmeier K, Valentine S, Villios F, von Saint Andre von Arnim A, Winkler M, Dede C, and Burns JP on behalf of the Game-Based Education in Residency (GamER) Trial Group. Multicenter trial sequencing virtual simulation in residency training. In press, *Critical Care Medicine*, 6/2019

In preparation:

10. **Scheffler M**, Reinert S, Simas D, Snelling L. Effects of a Benzodiazepine- and Opioid- Restrictive Sedation Strategy in Ventilated Children.
11. Knight L, Sullivan J, **Scheffler M** et al. Capacity Building Within the IDeA State Pediatric Clinical Trials Network Through Collaboration with an Established Pediatric Trials Network.

Book Chapters

1. Typpo K, **Scheffler M**, Nguyen T, Athanasaki I, Haymond M, McPherson M, Wilfong A, Macias C, Montagnino B, Gordon WE, Loftis L, Tcharmtchi H, Williams E. Critical Care. In: Lowry, AW, Nag PK, Bhakta KY, eds. *Texas Children's Hospital Handbook of Pediatrics and Neonatology*. New York, NY: McGraw- Hill Professional Inc.; 2011

Curricula

1. Toomey, V; **Scheffler, M**. Brown Pediatric Critical Care Resident Curriculum. 2016. Online curriculum. OPENPediatrics. <https://www.openpediatrics.org/curriculum/brown-pediatric-critical-care-resident-curriculum>
2. **Scheffler, M**; Dowla, N; Alverson, B; DeNardo, B; Lee, B; Merritt, C; Riese, J. "The First Five Minutes: A boot camp for interns starting on the pediatric wards." Three-hour, multi-session Pediatric Orientation Week workshop boot camp for interns from categorical pediatrics, medicines-pediatrics, and triple board residency programs. 2017 to present.
3. **Scheffler, M**; Riese, J. Warren Alpert Medical School at Brown University course BIOL 5990: Intern Preparatory Course-- Pediatrics. Three hour, interactive case based curriculum aimed at preparing

fourth year medical students to successfully transition to intern year in a variety of disciplines; prepared the pediatrics portion.

RESEARCH ACTIVITY

- 1998-1999 Explored the role of N-ethylmaleimide sensitive fusion protein in host cell invasion by toxoplasma gondii. Yale University School of Medicine, Department of Infectious Disease.
- 2000-2001 Participated in research projects delineating the genetic contributions to neuromuscular disease including amyotrophic lateral sclerosis and hereditary sensory neuropathy. Day Neuromuscular Research Laboratory, Massachusetts General Hospital.
- 2010- 2014 Lactate Dehydrogenase (LDH) in Respiratory Secretions in Children and Length of ICU Stay: Ongoing investigation into the relationship between LDH in respiratory secretions in children in the ICU and requirement for ICU support. Pedro A Piedra, M.D., PI. Baylor College of Medicine, Department of Virology & Microbiology
- 2014- present Investigation into historic versus contemporary sedation practices in the Hasbro Children’s Hospital ICU, and duration of invasive ventilation and unplanned extubation rate.
- 2015- present Site PI for Game- based Education in Residency (“GamER”): A research effort coordinated through Boston Children’s Hospital to investigate the efficacy of simulation and virtual game based ventilator simulators for teaching ventilator management to pediatric residents in the pediatric intensive care unit.
- 2016- 2017 Pharmacokinetics of medications for children on extracorporeal circuits, in collaboration with Arun Chopra, MD at NYU- Langone Medical Center: to characterize the changes in pharmacokinetics for children on extracorporeal membrane oxygenation or continuous renal replacement therapy. Investigate the interactions between medications and isolated circuits in ex vivo experiments as well.
- 2017- present “Pharmacokinetics of Understudied Drugs Administered to Children per Standard of Care,” site PI. National Institute of Child Health & Human Development (subcontract with Duke Clinical Research Institute). Protocol NICHD-POPS01. Phase N/A.
- 2017- present “Biomarkers for the detection of Sepsis in Pediatric Patients.” PI. Prospective cohort study evaluating the utility of serial procalcitonin and mixed venous saturation measurements in children admitted with oncologic diagnoses.
- 2017- present “The First Five Minutes: a boot camp for interns starting on the pediatric wards.” Retrospective and prospective analysis of resident confidence and fund of knowledge about common urgent clinical scenarios before and after a three-hour interactive workshop “boot camp” held during intern orientation week.

Grants:

- 2018 Roche Diagnostics Investigator-initiated Study Award: \$120,652. “Biomarkers for the detection of sepsis in pediatric oncology patients”

INVITED PRESENTATIONS**Local/ Regional**

- 2013 Rhode Island Hospital Department of Pediatrics Grand Rounds: “Patient Safety and the National Children’s Network”
- 2013 Memorial Hospital of Rhode Island Family Practice Residency Morbidity and Mortality conference: “Hypernatremia: Evaluation and Acute Management”
- 2015 Rhode Island Hospital Department of Pediatrics Grand Rounds: “Pediatric Sedation Outside of the Operating Room”
- 2015 Rhode Island Hospital/ Hasbro Children’s Hospital Bereavement Committee Symposium “Living in the Moment: A Comprehensive Approach to Pediatric End-of-Life Care”: “End-of-Life Discussions in Pediatric Critical Care”
- 2016 New England Pediatric Intensive Care Consortium Journal Club: “Early versus Late Parenteral Nutrition in Critically Ill Children”
- 2016 Rhode Island Hospital Department of Pediatric Emergency Medicine Faculty lecture: “Conventional Mechanical Ventilation Basics”
- 2018 Children’s Hospitals Solutions for Patient Safety 2018 New England Regional Meeting “Pediatric Medication Safety at Hasbro Children’s Hospital” April 2018
- 2018 Rhode Island Hospital Department of Pediatrics Grand Rounds: “Medication Safety at Hasbro Children’s Hospital” November 2018.
- 2019 Alpert Medical School Department of Pediatrics Faculty Retreat: “Department of Pediatrics IT Optimization Strategies” March 2019.

National

- 2018 Oral abstract session moderator, Society of Critical Care Medicine Annual Congress, “Pediatric Quality and Safety” February 2018
- 2019 Oral abstract session moderator, Society of Critical Care Medicine Annual Congress, “Pediatric Pharmacology” February, 2019
- 2019 Faculty member, American Academy of Pediatrics 2019 Pediatric Hospital Medicine PREP course. September, 2019

UNIVERSITY TEACHING ROLES

- 2014- present PEDS-464: Course Director for Pediatric Sub- internship in Pediatric Critical Care Medicine
- 2018- present BIOL 5990: Co-Director, Pediatric Curriculum for Intern Prep Course; session #12: Pediatrics

POST-GRADUATE TEACHING ROLES

- 2010- 2012 Critical Care Resident Lecture Series: Presented lectures to Pediatric residents on the ICU service: Respiratory Failure, Traumatic Brain Injury, Pediatric Sedation, and Mechanical Ventilation.
- June/July 2011, Critical Care Section Conference Series: Organized two 2- month blocks of the Section's
March/April 2012 clinical and research conference schedule.
- 2013- present Lecturer, Pediatric Residency core curriculum lecture series: 2 lectures/ year to approximately 15-20 residents (PGY1- PGY3)
- 2014- present Director of Resident Education in Pediatric ICU: Coordinate educational goals, objectives, responsibilities and evaluations for residents in the pediatric ICU (PGY1- PGY4)
- 2014- present Director of Fellowship Education in Pediatric ICU: Coordinate educational goals, objectives, responsibilities and evaluations of fellows in the pediatric ICU (PGY4- 5)
- 2014- present Course Director, Elective in Pediatric Sedation: Coordinate educational goals, objectives, and responsibilities for residents and fellows rotating through the pediatric sedation service
- 2013- present Mentor, pediatric resident trainees: career and scholarship advising of categorical pediatrics residents; has resulted in six residents matching in pediatric critical care: Ambrish Patel MD, 2016; Kelly Corbett MD, 2016; Ryan Hirschfeld MD, 2016; Vanessa Toomey, 2017; Claire Hennigan, 2019; Elizabeth Wei, 2019

VOLUNTEER WORK

- 2001-2002 Literacy Tutor at Rowan House Women's Shelter, Philadelphia, PA. Tutored resident children in reading at a shelter for homeless women and children.
- 2002-2004 Drexel University Chances Program at Germantown High School. Developed and taught a flexible curriculum to 11th grade biology students at Germantown High School in Philadelphia, PA.
- 2003-2006 Drexel University Salvation Army Clinic. Provided routine outpatient medical services to residents of a substance abuse rehabilitation center. Supervised first and second year medical students, and helped them develop history taking and physical exam skills
- December 2010/ Baylor College of Medicine Department of Pediatrics. Teaching Volunteer for
November 2011 Pediatric and Newborn examinations, Physician and Society Course