

## CURRICULUM VITAE

NAME: PHILIPPA GABRIELLE SPRINZ

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### EDUCATION

Undergraduate/Medical School  
1978 MB ChB: University of Aberdeen School of Medicine  
Aberdeen, Scotland

Other Advanced Degrees:  
2009 MSc (in Pain Management): University of Edinburgh, Scotland

### POSTGRADUATE TRAINING

1978-1981 House Officer Posts in Great Britain:  
(1) Pediatric Surgery  
(2) General Medicine  
(3) Pediatrics  
(4) Obstetrics

1981 Moved to the US/Passed the Visa Qualifying Examination

1981-1982 Research Associate, University of Miami School of  
Medicine, Division of Hematology

1982-1985 Resident in Pediatrics, University of Miami School of Medicine/Jackson  
Memorial Hospital, Miami, Florida

1985 -1988 Fellow in Pediatric Hematology/Oncology, University of Miami  
School of Medicine/Jackson Memorial Hospital, Miami, Florida

### POSTGRADUATE HONORS AND AWARDS

1996: SOS Children's Villages Award for Community Service: Karen Marsh Award

2000: Community Service Award from the Children's Medical Services, Broward and West Palm Beach Counties Chapter

2000: Award of Appreciation for Program Development (1988-2000) from Medical Staff and Administration, Memorial Regional Hospital, Hollywood, Florida

2000: Award of Appreciation from Patients and Families of Joe DiMaggio Children's Hospital, Hollywood, Florida, for service and care provided (1988-2000).

2003: Teacher of the year award, presented by the Pediatric Residents, Baystate Medical Center, Springfield, Massachusetts

2005: Physician Service Award presented by the Community Sickle Cell Support Group of Boston, Massachusetts

2011: The Leonard Tow Humanism in Medicine Award

2011: Inducted into The Gold Humanism Honor Society

2014: Boston Combined Residency in Pediatrics Award for Best Teacher of the Year

2018 – ASPHO International Travel Award in support of Mentee, Ema Muscadin, Milot, Haiti

#### PROFESSIONAL LICENSES AND BOARD CERTIFICATION

1978            Graduated MB ChB, Aberdeen University, Scotland

1981            Passed the VISA Qualifying Examination

1986            American Board of Pediatrics - Board certified in Pediatrics

1986            Licensed in Medicine in the State of Florida

1992            American Board of Pediatrics Sub-specialty Board Certified in Pediatric Hematology/Oncology

1998            Re-certified by American Board of Pediatrics in Pediatric Hematology/Oncology

1999            Licensed in Medicine in the State of Massachusetts

#### PROFESSIONAL LICENSES AND BOARD CERTIFICATION cont'd

- 2006 Re-certified by American Board of Pediatrics in Pediatric Hematology/Oncology
- 2013 Re-certified by American Board of Pediatrics in Pediatric Hematology/Oncology (MOC)
- 2015 Licensed in Medicine in the State of Rhode Island
- 2016 Re-certified by American Board of Pediatrics in Pediatric Hematology/Oncology
- 2018 Re-certified by American Board of Pediatrics in Pediatric Hematology/Oncology (MOC)

#### ACADEMIC APPOINTMENTS

- Assistant Professor of Pediatrics 2000 - 2007  
Tufts University School of Medicine
- Assistant Professor of Pediatrics 2007 - 2011  
Boston University School of Medicine, Boston Medical Center
- Associate Professor of Pediatrics 2011 – 2015  
Boston University School of Medicine, Boston Medical Center
- Associate Professor of Pediatrics 2015 - present  
Brown University/Warren Alpert Medical School

#### HOSPITAL APPOINTMENTS

- 1988 - 2000 Director, Division of Pediatric Hematology/Oncology  
Joe DiMaggio Children's Hospital at Memorial, Hollywood, Florida
- 1993 - 2000 Medical Director, Pediatric Hematology Laboratory  
Joe DiMaggio Children's Hospital at Memorial, Hollywood, Florida
- 1995 - 2000 Medical Director for Pediatric Hematology/Oncology  
State of Florida Children's Medical Services (Broward/Palm Beach Counties).

#### HOSPITAL APPOINTMENTS cont'd

- 2000 - 2007      Attending Pediatric Hematologist /Oncologist  
Baystate Children's Hospital, Springfield, Massachusetts
- 2000 - 2007      Director, Pediatric Sickle Cell Program  
Baystate Children's Hospital, Springfield, Massachusetts
- 2003 - 2007      Director, Division of Pediatric Hematology/Oncology  
Baystate Children's Hospital, Springfield, Massachusetts
- 2003 - 2007      Consultant / Part time Attending to the Division of Pediatric  
Hematology/Oncology, Department of Pediatrics,  
Boston Medical Center, Boston Massachusetts
- 2007- 2015      Division Director, Pediatric Hematology/Oncology, Department of Pediatrics  
Center, Boston Medical Center
- 2015- Present      Attending Physician, Division of Pediatric Hematology/Oncology,  
Department of Pediatrics, Hasbro Children's Hospital, Rhode Island
- 2015 – Present      Medical Director Pediatric Hemostasis and Thrombosis program, Hasbro  
Children's Hospital
- 2017 – Present      Medical Director Pediatric Hemoglobinopathies program, Hasbro  
Children's Hospital

#### OTHER APPOINTMENTS

- 1989 - 2000      Principal Investigator, Pediatric Oncology Group and then Children's  
Oncology Group, Joe DiMaggio, Hospital, Hollywood, Florida
- 1991 - 2000      Director, Children's Medical Services, Broward County, Florida
- 2000 - 2007      Member, Children's Oncology Group Springfield, Massachusetts
- 2003 - 2007      Principal Investigator, Children's Oncology Group  
Baystate Medical Center, Springfield, Massachusetts
- 2003 - present      Chair of the New England Pediatric Sickle Cell Consortium (NEPSCC)
- 2006 - 2010      District Representative, Massachusetts Chapter of the  
American Academy of Pediatrics

OTHER APPOINTMENTS cont'd.

2007 - 2010	Member, National Sickle Cell Disease Surveillance Work Group, American Society of Pediatric Hematology/Oncology (ASPHO)
2008 - 2010	Member, Program Planning and Advisory Committee, Annual Sickle Cell Research and Education Symposium, Fort Lauderdale, Florida
2007 - 2015	Member, Newborn Screening Advisory Council, State of Massachusetts
2010 - 2015	Member, National Newborn Screening Translational Research Network
2010 - present	Chair of the NEPSCC Regional Annual Conference.
2010 – 2013	Co-chair of the Boston/NEPSCC Back to School Conference.
2011- Present	Member, Advisory Board Greater Boston Sickle Cell Disease Association

HOSPITAL COMMITTEES

1990 - 2000	Member, Institutional Review Board, Memorial Hospital, Hollywood, Florida
1991 - 2000	Director, Pediatric Tumor Board, Joe DiMaggio Children's Hospital, Hollywood, Florida
1995 - 2000	Member, Credentialing Committee, Joe DiMaggio Children's Hospital, Hollywood, Florida
1997 - 2000	Member-at-Large, Children's Hospital Executive Committee. Joe DiMaggio Children's Hospital, at Memorial, Hollywood, Florida
2000 – 2007	Member, Transfusion Safety Committee, Baystate Medical Center, Springfield, Massachusetts
2000 - 2007	Chairperson, Pediatric Blood Bank Task Force, Baystate Medical Center Children's Hospital, Springfield, Massachusetts
2000 - 2009	Member, Institutional Review Board (IRB), Baystate Medical Center, Springfield, Massachusetts
2006 - 2007	Vice-Chairman, IRB, Baystate Medical Center

- 2003 - 2007            Member, Executive Committee, Baystate Children's Hospital  
HOSPITAL COMMITTEES cont'd
- 2007 - 2009            Member, Resident Selection Committee for the BCRP
- 2007 - 2015            Medical Director of Strive Program at Boston Medical Center
- 2008 – 2015            Member, Boston University School of Medicine Admissions Committee
- 2009 – 2015            Member, Transfusion Safety Committee, Boston Medical Center
- 2017 - present        Coordinator, RIH Sickle Cell Disease/Hemoglobinopathies Transition  
Committee
- 2017 - present        Member RI Newborn Screening Advisory Committee

EDITORIAL POSITIONS

- 2010 - present: Reviewer for Pediatric Blood and Cancer
- 2012 – present: Reviewer for Journal of Pediatric Hematology/Oncology
- 2017 – present: Editor Section of Pediatric Hematology/Oncology, EBSCO publishing

UNIVERSITY COMMITTEES

- 2008 – 2015    Member, Boston University School of Medicine Admissions Committee

MEMBERSHIP IN SOCIETIES

- American Academy of Pediatrics – 1988 -present
- American Society of Pediatric Hematology/Oncology – 1992 - present
- American Society of Hematology – 1988 – present
- Pediatric Oncology Group – member 1990 - 2000
- Pediatric Oncology Group – Principal Investigator 1990 – 2000
- Children's Oncology Group – Member since 2000
- Children's Oncology Group - Principal Investigator 2003-2008

New England Pediatric Sickle Cell Consortium (Chairperson) – 2001 - current

## PUBLICATIONS LIST

### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Mylvaganam R, **Sprinz PG**, Ahn YS and Harrington WJ. An animal model of alloimmune thrombocytopenia. I. The role of the mononuclear phagocytic system (MPS). Clin. Immunol and Immunopath 31: 163-170, 1984.
2. Mylvaganam R, **Sprinz PG**, Ahn YS, Pegelow CH, Harrington WJ. Comparisons of the inducer suppressor (T4+2H4+), helper inducer (T4+4B4+) and helper (T4+Leu8-) T lymphocytes in normal women and men by 2-color flow cytometry, their correlations with age and implication in autoimmunity. Blood 1987; 70 (5) suppl. 1:103a.
3. **Sprinz PG**, Pegelow CH. Failure of C-reactive protein (CRP) to predict bacteremia in children with sickle cell disease (SCD). Clin Res. 1988 36(1).
4. **Sprinz PG**, Mylvaganam R, Ahn YS. Flowcytometric determination of leukemic cell drug sensitivities in vitro by Bromodeoxyuridine labelling. Cyto.1988; 35(Supplement 2).
5. Mylvaganam R, Garcia RO, Ahn YS, **Sprinz PG**, Kim CI, Harrington WJ. Depressed functional and phenotypic properties of T but not B-lymphocytes in idiopathic thrombocytopenic purpura. Blood 1988; 71:1455-1460.
6. Mylvaganam R, Ahn YS, **Sprinz PG**, Garcia RO, Harrington WJ. Sex difference in the CD4+CD45R+ T lymphocytes in normal individuals and its selective decrease in women with idiopathic thrombocytopenic purpura. Clin. Immunol. Immunopath. 1989 52: 473-485.
7. Alter BP, Kumar M, Lockhart LL, **Sprinz PG**, Rowe TF. Pregnancy in bone marrow failure syndromes: Diamond-Blackfan Anaemia and Shwachman-Diamond syndrome. Br. J.Haem.1999 107(1): 49-54.
8. Field T, Cullen C, Diego M, Hernandez-Rief M, **Sprinz P**, Beebe K, Kissell B and Bango-Sanchez V. Leukemia Immune Changes following Massage Therapy. J. Bodywork and Movement Therapies 2001; 5(4) 271-74
9. Priest JR, Magnuson J, Williams GM, et al. Cerebral metastasis and other central nervous system complications of pleuropulmonary blastoma for the International Pleuropulmonary Blastoma Registry, Children's Hospitals and Clinics of Minnesota, St. Paul, Minnesota. Pediatr. Blood Cancer. 2006; 49 (3): 266-273
10. Richardson MW, Otis C, **Sprinz P**: Severe Malignancy-Associated Hypercalcemia in

Dysgerminoma, *Pediatr Blood Cancer* 2006; 47:621-623

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS cont'd

11. Kavanagh PL, Wang CJ, Therrell BL, **Sprinz PG**, Bauchner H. Communication of Positive Newborn Screening Results for Sickle Cell Disease and Sickle Cell Trait: Variation across States" *Am. J. Med. Gen. Part C: Seminars in Medical Genetics* 2008; 148(c) 15-22
12. Scott Goldberg, BS, Stephen O'Connor MD, **Philippa Sprinz MD**: "Prostaglandin Inhibitors in the Treatment of Single System Langerhans Cell Histiocytosis: Pharmacologic Rationale and Report of Two Cases" *J. Ped. Hem Onc* October 2008; 30 (10) 778-780
13. Mercy Mvundra, Djesika Amendah, Patricia Kavanagh, **Philippa Sprinz**, Scott D. Grosse, "Health Care Utilization and Expenditures for Privately and Publicly Insured Children with Sickle Cell Disease in the United States". *Ped Blood and Cancer* 2009; 53: 642-626
14. Djesika Amendah PhD, Mercy Mvundura PhD, Patricia L. Kavanagh MD, **Philippa G. Sprinz MD**, Scott D. Grosse PhD: Sickle Cell Disease Related Pediatric Medical Expenditures in the United States. *American Journal of Preventive Medicine*, 2010; 38, (4): S550-S556
15. C. Jason Wang, MD, PhD, Patricia L. Kavanagh, MD, Alison A. Little, MPH, Jaime Bruce Holliman, MA, and **Philippa G. Sprinz, MD, MSc** Development of Quality Indicators for the Management of Sickle Cell Disease in Children: Results of an Expert Panel Process. *Pediatrics*, 2011: 128:3 484-493
16. Sobota A, Neufeld EJ, **Sprinz P**, and Heeney MM Transition from pediatric to adult care for sickle cell disease: Results of a survey of pediatric providers. *Am Journal Hematology*, 2011; 86, (6): 512-515
17. Management of children with sickle cell disease: a comprehensive review of the literature. Kavanagh PL, **Sprinz PG**, Vinci SR, Bauchner H, Wang CJ. *Pediatrics*. 2011 Dec;128(6):e1552-74. Epub 2011 Nov 28. Review.
18. Keeping it in the family: three relatives with HbSC disease and simultaneous acute pulmonary emboli. Hawkins F, Ebel N, Sorescu GP, McMahon L, **Sprinz P**, Klings ES. *Am J Hematol*. 2012 Jan;87(1):101-4. doi: 10.1002/ajh.22177. Epub 2011 Sep 26.
19. Zinc protoporphyrin and iron deficiency screening: trends and therapeutic response in an urban pediatric center. Magge H, **Sprinz P**, Adams WG, Drainoni ML, Meyers A. *JAMA Pediatr*. 2013 Apr;167(4):361-7. doi: 10.1001/jamapediatrics.2013.751.

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20. Weight status of children with sickle cell disease. Chawla A, **Sprinz PG**, Welch J, Heeney M, Usmani N, Pashankar F, Kavanagh P. *Pediatrics*. 2013 Apr;131(4):e1168-73. doi: 10.1542/peds.2012-2225. Epub 2013 Mar 4.

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS cont'd

21. Self-reported Transition Readiness Among Young Adults With Sickle Cell Disease. Sobota A, Akinlonu A, Champigny M, Eldridge M, McMahon L, Telfair J, **Sprinz P**. *J Pediatr Hematol Oncol*. 2014 Feb 10. [Epub ahead of print]

22. Using an Electronic Health Record-Based Registry to Improve Pediatric Sickle Cell Care *Journal of Clinical Outcomes Management* APRIL 2014, VOL. 21, NO. 4 Kavanagh P, Sobota A, McClure E, **Sprinz P**, and Adams W.

23. Improvement in influenza vaccination rates in a pediatric sickle cell disease clinic Sobota AE, Kavanagh PL, Adams WG, McClure E, Farrell D, **Sprinz PG** *Pediatr Blood Cancer* 2015 Apr; 62(4): 654-7.doi.1002/pbc.25390. Epub 2014 Dec 24

24. Lessons Learned From Talking With Parents About the Role of Hematopoietic Stem Cell Transplantation in the Treatment of Children With Sickle Cell Disease. Paola Friedrich, Elizabeth Steinfield, Francis Kim, Mary Hays, Leslie Lehmann & **Philippa Sprinz** *American Journal of Health Education* Volume 46, Issue 3, pages 144-156 Pub May 8<sup>th</sup> 2015

25. Implications of radiologic-pathologic correlation for gallbladder disease in children and young adults with sickle cell disease. Gale HI, Setty BN, **Sprinz PG**, Doros G, Williams DD, Morrison TC, Kalajian TA, Tu P, Mundluru SN, Mehta MN, Castro-Aragon I. *Emerg Radiol*. 2015 Jun 25. [Epub ahead of print]

26. Improving the Management of Vaso-Occlusive Episodes in the Pediatric Emergency Department. Patricia L Kavanagh, MD, **Philippa G. Sprinz, MD**, MSc, Tahlia L. Wolfgang, MPH, Kelly Killius, Pharm D, Maria Champigny, LICSW, Amy Sobota MD, MPH, David Dorfman, MD, Karan Barry, BSN, Renee Miner, BSN, James M. Moses, MD, MPH. *Pediatrics* Volume 136, number 4, October 2015

27. Expected Sonographic Appearance of the Spleen in Children and Young Adults With Sickle Cell Disease: An Update. *J Ultrasound Med* 2016 Aug 27;35(8):1735-45. Epub 2016 Dec 27. Heather I Gale, Christopher A Bobbitt, Bindu N Setty, **Philippa G Sprinz**, Gheorghe Doros, Don D Williams, Trevor C Morrison, Tyler A Kalajian, Powen Tu, Shankar N Mundluru, Ilse Castro-Aragon

28. Unmet legal and social advocacy needs of children with sickle cell disease. Implications for

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health care payer costs. Volume 84, January 2018, Pages 76-81 Rajan A. Sonik, Sarah Teasdale, Susan L Parish, Maria Champigny, Philippa G Sprinz

#### ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS cont'd

29. Lim, S. H., Morris, A., Li, K., Fitch, A. C., Fast, L., Goldberg, L., Quesenberry, M., Sprinz, P. and Methé, B. (2018), Intestinal microbiome analysis revealed dysbiosis in sickle cell disease. *Am J Hematol.* doi:10.1002/ajh.25019

30. Sprinz, P, Lemke K, Padbury J, Farrow, C (2018) Newborn Screening for Hemoglobinopathies in the State of Rhode Island, in 2017 Rhode Island Medical Journal, accepted for publication 4/2018

#### TEXTBOOKS AND MONOGRAPHS

1. Section on Pediatric Hematology for Pocket Pediatrics, 2<sup>nd</sup> edition of the Electronic Pocket Medicine Series. 2008.

#### ABSTRACT PRESENTATIONS:

1. Mylvaganam R, **Sprinz PG**, Ahn YS, Harrington WJ, Sfakianakis GN. An animal model to study drug effects in immune thrombocytopenia. Presented at the Fifth International Congress of Immunology, Kyoto, Japan, 1983.

2. Mylvaganam R, **Sprinz PG**, Ahn YS, Harrington WJ. An animal model of alloimmune thrombocytopenia. I. The role of the mononuclear phagocytic system (M.P.S.). Presented at the Thirty-eighth Annual Meeting of the Southern Society for Clinical Investigation, New Orleans. Abstract published in *Clin. Res.* 1984; 875.

3. Retureta AA, **Sprinz PG**, Meister LA: Regarding a case of Familial Erythrophagocytic Lymphohistiocytosis (FEL). A case presentation at the Fifth Interamerican Pediatric Congress, Nassau, Bahamas, July 1993

4. Asmi F Alam, MD, Clarice Staves, MD and **Philippa Sprinz, MD**. Baystate Medical Center, Springfield, MA, United States. "The Incidence of Iron Deficiency Anemia in Female Residents" presented at the Eastern SPR. Abstract accepted by 2006 PAS meeting in San Francisco. Abstract presented as an oral presentation at the Eastern SPR meeting March 2006.

5. **Philippa Sprinz M.D.**, Anjulika Chawla M.D., Karla Fuentes M.D., Matthew Heeney M.D., Mary Huang M.D., Michael Isakoff M.D., Betty Leef RN, Suzette Oyeku M.D., MPH, Farzana

Pashankar M.D., Maria Pelidis M.D., Anne Rossi M.D., Kathleen Ryan RN, MPH, Naheed Usmani M.D.: The New England Pediatric Sickle Cell Consortium. 'Adolescents with Sickle Cell Disease: Clinical Data from the New England Pediatric Sickle Cell Consortium'. Poster Presentation at the 29th Annual Meeting of the National Sickle Cell Disease Program, Memphis Tenn. April 8-12th 2006

### ABSTRACT PRESENTATIONS cont'd

6. **Philippa Sprinz M.D.**, Anjulika Chawla M.D., Karla Fuentes M.D., Matthew Heeney M.D., Mary Huang M.D., Michael Isakoff M.D., Betty Leef RN, Suzette Oyeku M.D., MPH, Farzana Pashankar M.D., Maria Pelidis M.D., Anne Rossi M.D., Kathleen Ryan RN, MPH, Naheed Usmani M.D.: The New England Pediatric Sickle Cell Consortium (NEPSCC). 'Adolescents with Sickle Cell Disease: Psychosocial Data from the NEPSCC's Poster Presentation. 29th Annual Meeting of the National Sickle Cell Disease Program, Memphis Tenn. 2006

7. **Philippa Sprinz, MD.**, Karla Fuentes, MD., Tina Goff RN: "Working Towards a Comprehensive Team Approach for Sickle Cell Disease" Oral Presentation at the 35<sup>th</sup>. Annual Sickle Cell Disease Association of America Meeting in Washington DC September 2007.

8. Michele O'Neill CCLS, Marie Gooding LICSW, Emily Gonzalez PhD, Darren Martin MD Debra Whittemore BSc, **Philippa Sprinz MD**, "Sickle Cell Disease: I Have It-It Does Not Have Me" An Educational DVD and Resource Manual. Oral Presentation at the 35<sup>th</sup> Annual Sickle Cell Disease Association of America Meeting in Washington DC September 2007.

9. Patricia L. Kavanagh MD, **Philippa G. Sprinz, MD**, Naomie Ilaire, Samuel R. Vinci and C. Jason Wang, MD, PhD, "Evidence for Prevention and Treatment Strategies for Children with Sickle Cell Disease: A Comprehensive Review" Poster Presentation at the Pediatric Academic Society Annual Meeting in Hawaii, May 2008.

10. Prasad V. Bodas MD, Sigmund J. Kharasch, MD, **Philippa G. Sprinz, MD**, "Evaluation of Pain Management Services for Patients With Sickle Cell Disease At Boston Medical Center Pediatric Emergency Department" Poster Presentation at the American Society of Pediatric Hematology/Oncology Annual Meeting, Cincinnati May 2008.

11. Kerin Arora BS, Deidre Dexter RD, Laura Barunas RD, **Philippa Sprinz MD**, "The Effect of Dietary Omega-3 Fatty Acids on the Progression and Management of Sickle Cell Disease" Poster Presentation at the 36<sup>th</sup>. Annual Convention of the Sickle Cell Disease Association, New Orleans, September 2008.

12. A. Paroskie MD, A. Chawla MD, N. Hagstrom MD, M. Heeney MD, M. Huang MD, J. Luty MD, F. Pashankar MD, M. Pelidis MD, A. Rossi MD, N. Usmani MD, K. Murphy MT SBB, **P. Sprinz MD**, "Red Blood Cell Transfusion Practices within the Institutions of the New England

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Pediatric Sickle Cell Consortium. Oral Presentation at the 36<sup>th</sup>. Annual Convention of the Sickle Cell Disease Association, New Orleans, September 2008.

13. **Philippa G. Sprinz MD**, Thomas A. Einhorn MD. Bone Marrow Infusion for Osteonecrosis. Poster presentation at the Combined 3<sup>rd</sup> Annual Sickle Cell Disease research and Educational Symposium and Grant Writing Institute, Fort Lauderdale, Florida February 2009.

#### ABSTRACT PRESENTATIONS cont'd

14. Karla P. Fuentes MD, Frederic Little MD#, Elizabeth S. Klings MD, Marisol Figueira MD, Sekhavat Sepehr MD, **Philippa G. Sprinz MD**, Sickle Cell Disease, Hydroxyurea, Mycoplasma pneumoniae Infection and Thromboembolic Disease Poster Presentation at the Combined 3<sup>rd</sup> Annual Sickle Cell Disease Research and Educational Symposium and Grant Writing Institute, Fort Lauderdale, Florida February 2009.

15. **Philippa G. Sprinz MD**, Suzanne Steinbach MD. Sickle Cell Disease, Asthma and Steroids. Oral Presentation, at the Combined 3<sup>rd</sup> Annual Sickle Cell Disease Research and Educational Symposium and Grant Writing Institute, Fort Lauderdale, Florida February 2009.

16. Ramsay A. Singer MBBS, Deidre Dexter-Hine RD, **Philippa G. Sprinz MD**, Dietary Effects of Nitrates and Nitrites on Sickle Cell Disease Severity in Children, Poster presentation at the American Society of Pediatric Hematology/Oncology Meeting, San Diego, April 2009

17. Kerin Arora MPH, Deidre Dexter RD, Laura Barunas RD, **Philippa Sprinz MD**, The Effect of Omega -3 Fatty Acid Intake on Sickle Cell Disease (SCD) Severity in Poster presentation at the American Society of Pediatric Hematology/Oncology Meeting, San Diego, April 2009

18. Ramsay A. Singer MBBS, Deidre Dexter-Hine RD, **Philippa G. Sprinz MD**, Dietary Effects of Nitrates and Nitrites on Sickle Cell Disease Severity in Children, An Oral Presentation to the British Society of Hematology Annual Meeting, Brighton, UK, April 2009 (Work made possible by support from the British Society of Hematology and a University College, London student elective grant.)

19. **Philippa Sprinz**, Samuel Senft, Cristina Dacchille, Maria Champigny, Samantha Morton: "Policy and Legislation "The Medical-Legal Partnership | Boston. Oral Presentation at the National Conference on Blood Disorders in Public Health, Atlanta, March 2010

20. **Philippa Sprinz**, Samuel Senft, Cristina Dacchille, Maria Champigny, Samantha Morton: Children with Sickle Cell Disease. Beyond Medicine: Their Educational Successes. Oral Presentation to the National Conference on Blood Disorders in Public Health, Atlanta, March 2010

21. **Philippa Sprinz**, Rina Dave: Day Hospital for Children with Sickle Cell Disease: Quality of Life versus Hospital Revenue - A Poster Presentation to the National Conference on Blood Disorders in Public Health, Atlanta, March 2010

22. Paola Friedrich Medina, Kristy Banholzer, Francis Kim, Leslie Lehmann and **Philippa Sprinz** - Parental Awareness and Interest in Hematologic Stem Cell Transplant for Their Children with Sickle Cell Disease – A poster presentation at the National SCDA meeting in Washington, DC September 2010.

ABSTRACT PRESENTATIONS cont'd

23. Siegel C., Contreras F., Crane G., **Sprinz P.**, Cranley W., Castro-Aragon I. *Caffey certificate of merit* for Electronic educational exhibit at Society of Pediatric Radiology, Boston; April 13-17, 2010.

24. Sonographic appearances of the spleen in sickle cell disease. Hindson D., Imsande H., **Sprinz P.**, Castro-Aragon I. Educational exhibit at Society of Pediatric Radiology, San Francisco; April 16-20, 2012

25. High Prevalence of Abnormal Zinc Protoporphyrin (ZPP) in an Urban Low - Income Infant/Toddler Population: Are half of these Children Iron Deficient? Alan Meyers, MD, MPH; Hema Magge MD, MS; **Philippa Sprinz MD**, MSc; William Adams MD, Oral Presentation Pediatric Academic Society Meeting, Boston MA 2012

26. Using an HER to Improve Counseling for Sickle Cell Trait in an Urban Pediatric Primary Care Practice. **Philippa G. Sprinz, MD**, MSc; Tahlia L. Wolfgang, MPH; Patricia L. Kavanagh, MD; Matthew S. Andazola, BA; William G. Adams, MD; James M. Moses, MD, MPH Grant # U38 MC22215-01-00 From Screening To Thriving: Life-Span Hemoglobinopathy Care – Poster Presentation, Pediatric Academic Society Meeting, Boston MA 2012

27. Using an EHR to Improve Counseling for Sickle Cell Trait in an Urban Pediatric Primary Care Practice. **Philippa G. Sprinz, MD**, MSc; Tahlia L. Wolfgang, MPH, BS; Patricia L. Kavanagh, MD; Matthew S. Andazola, BA; William G. Adams, MD; James M. Moses, MD, MPH. Oral Presentation, 8th Annual Sickle Cell Disease Research and Educational Symposium. Miami FL; April 2014.

28. Kavanagh PL, Sobota AE, McClure ES, **Sprinz PG**, Adams WG. Harnessing the electronic health record to drive quality improvement for children with sickle cell disease. Oral Presentation, 8th Annual Sickle Cell Disease Research and Educational Symposium. Miami FL; April 2014.

29. Ebaa Jastaniah, MD, MPH; Amy Sobota, MD, MPH; **Philippa Sprinz, MD, MSc**; Patricia Kavanagh, MD; Bill Adams, MD; James Moses, MD, MPH. Increasing the Initiation of Hydroxyurea in Children with Sickle Cell Disease: A Hospital-Based Quality Improvement

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Project. Oral Presentation, 8th Annual Sickle Cell Disease Research and Educational Symposium. Miami FL; April 2014.

30. Amy Sobota, Patricia L. Kavanagh, William G. Adams, Elizabeth McClure, Delmaude Farrell and **Philippa G. Sprinz**. Improvement in Influenza Vaccination Rates in a Pediatric Sickle Cell Disease Clinic. Poster Presentation, 8th Annual Sickle Cell Disease Research and Educational Symposium. Miami FL; April 2014.

#### ABSTRACT PRESENTATIONS cont'd

31. Francis Kim MA, Nancy Brandao BA, **Philippa Sprinz MD, MSc**, Amy Sobota, MD, MPH Identification of Preventable Reasons for Missed Pediatric Hematology Clinic Appointments. Poster Presentation, 2<sup>nd</sup> Annual Quality and Patient Safety Poster Ceremony and Reception, Boston University School of Medicine/Boston Medical Center.

32. Using an EHR to Improve Counseling for Sickle Cell Trait in the Pediatrics Primary Care Clinic. Tahlia Wolfgang, MPH; Patricia Kavanagh, MD; **Philippa Sprinz, MD, MSc**; Matthew Andazola, MPH; Jennifer Masdea, BA; William Adams, MD; James Moses, MD, MPH 2<sup>nd</sup> Annual Quality and Patient Safety Poster Ceremony and Reception, Boston University School of Medicine/Boston Medical Center, April 2015

33. Pediatric Prescriber Practice on Hydroxyurea in Sickle Cell Disease A report from NEPSCC: New England Pediatric Sickle Cell Consortium. Anjulika Chawla MD, **Philippa Sprinz MD, MSc**, Patricia Kavanagh MD. Poster Presentation at the 29<sup>th</sup> Annual American Society of Pediatric Hematology/Oncology meeting in Minneapolis, MN, April 2016

34. Sonik RA, Teasdale S, Parish SL, Champigny M, **Sprinz PG**. Health care costs and unmet legal service needs of children with sickle cell disease. Poster presentation at the Academy Health Annual Research Meeting; Boston, MA, June 2016

35. Introducing Preventative Care for Children with Sickle Cell Disease (SCD) in Northern Haiti, Ema Muscadin, Michael Canarie, **Philippa Sprinz**. Accepted for poster presentation American Society of pediatric Hematology/Oncology Montreal April 2017

36 The New England Pediatric Sickle Cell Consortium (NEPSCC): A Successful and Sustained Community-Provider Partnership. **Philippa Sprinz**, Eileen Hansbury, Patricia Kavanagh, Jackie Haley, Anju Chawla. Accepted for poster presentation American Society of pediatric Hematology/Oncology Montreal April 2017

37. Physical Therapy in Pediatric and Young Adult Patients with Sickle Cell Disease: Assessing Potential Benefits and Barriers, Daniel Callaway, MD, MPH, Anjulika Chawla, MD and

Philippa Gabrielle Sprinz,  
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**Philippa Sprinz**, MD, MSc. Presented at 45th Annual Sickle Cell Disease Association of America (SCDAA) Conference, October 25-28, 2017, Atlanta, GA

38. The New England Pediatric Sickle Cell Consortium (NEPSCC): A Very Successful Community-Provider Partnership Daniel Callaway, MD, MPH and **Philippa Sprinz**, MD, MSc Presented at 45th Annual Sickle Cell Disease Association of America (SCDAA) Conference, October 25-28, 2017, Atlanta, GA

#### ABSTRACT PRESENTATIONS (cont'd)

39. The Clinical Course of Children and Young Adults with Sickle Cell Disease in Northern Haiti Treated with Hydroxyurea and Penicillin Ema Muscadin, MD, Michael F. Canarie, MD, Philippa Sprinz, MD, MSc, ASPHO May 2018
40. The Role of Physical Therapy in the Management of Patients with Sickle Cell Disease, Daniel Calloway MD, Anjulika Chawla MD, Philippa Sprinz MD MSc ASPHO, May 2018

#### ABSTRACTS Published

1. Sfakianakis GN, Heal A, Mylvaganam R, **Sprinz PG**, Junghans RP, Ahn YS, Harrington WJ, Serafini A, <sup>111</sup>In-platelet clearance, scintigraphy and distribution studies in experimental and clinical immune thrombocytopenia. Presented at the Thirtieth Annual Meeting of the Society of Nuclear Medicine, St. Lacy, Missouri. Abstract published in J. Nuc. Med.1983 24:74.
2. Asmi F Alam, MD, Clarice Staves, MD and **Philippa Sprinz, MD**. Baystate Medical Center, Springfield, MA, United States. "The Incidence of Iron Deficiency Anemia in Female Residents" presented at the Eastern SPR. Abstract accepted by 2006 PAS meeting in San Francisco. Abstract presented as an oral presentation at the Eastern SPR meeting March 2006.

#### INVITED PRESENTATIONS

August 2005: Boston Health Net, Springfield, MA, Lecture entitled "Sickle Cell Disease, an Update".

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March 2006: Regional Chapter, American Red Cross, Dedham MA, Lecture entitled "Sickle Cell Disease in New England"

March 2007: Dimmock Health Center:, Boston MA. Lecture entitled "An Update in Pediatric Hematology"

May 2007: Boston Medical Center (BMC) Pain Conference, Lecture entitled: "Pain Management for Children with Sickle Cell Disease"

July 2007: Boston Medical Center Resident Conference, for Case of the Week: "Iron Deficiency or More?"

July 2007: East Boston Neighborhood Health Center, Boston MA. Lecture entitled "An Update in Pediatric Hematology"

#### INVITED PRESENTATIONS cont'd

August 2007: Harvard Community Health Center, Boston MA. Lecture entitled "An Update in Pediatric Hematology"

September 2007: Mattapan Community Health Center, Boston: Educational Program for Mentors and Mentees in the STRIVE program at Boston Medical Center, MA

September 2007: Annual Sickle Cell Disease Association of America conference in Washington DC: Lecture entitled "Sickle Cell Disease: I Have It-It Does Not Have Me"

September 2007: Annual Sickle Cell Disease Association of America conference in Washington DC: Lecture entitled: "Using an electronic health record to improve self-management in sickle cell disease".

October 2007: Community Sickle Cell Disease Support Group of Boston, MA; Motivational Speaker: Lecturer entitled: An Update on Sickle Cell Disease  
November 2007: Northeastern University Haitian American Society: Lecture entitled "Sickle Cell Disease"

February 2008: Second Annual Sickle Cell Disease Educational Conference, Ft. Lauderdale FL  
Guest Lecture entitled: Communication of Positive Newborn Screening Results for Sickle Cell Disease and Sickle Cell Trait; Variation across States.

March 2008: Martha Elliot Health Center, Boston Massachusetts: Lecture entitled: "An Update on Pediatric Hematology, 2008"

April 2008: Boston Medical Center, Boston MA, Emergency Room Resident Education Program: Lecture entitled: "Pediatric Oncologic Emergencies"

September 2008: Boston Medical Center, Boston MA Pediatric Resident Case of the Week: Rh Sensitisation in a Woman from Honduras

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September 2008: Boston Medical Center Pediatric Resident Case of the Week: B<sub>12</sub> Deficiency in 19 year old Girl from Haiti

September 2008: Boston Medical Center, Boston MA Emergency Room Monthly meeting: Sickle Cell Disease Related ED Emergencies.

October 2008: Boston Medical Center Pediatric Resident Case of the Week: Aplastic Anemia in two children with sickle cell disease

January 2009: Bowdoin Street Health Center, Dorchester, Massachusetts “An Update on Pediatric Hematology 2008”

March 2009: Boston Medical Center, Pediatric Resident Case of the Week: HIV, Uveitis and Thrombocytopenia

#### INVITED PRESENTATIONS cont'd

April 2009: East Boston Neighborhood Health Center, Boston Massachusetts “An Update on Pediatric Hematology 2009”  
January 2010: Contribution to Boston Medical Center, Boston MA Department of Pediatrics Case Presentation on Lemierre’s Disease

April 2010: Boston University Dept. of Philosophy, Boston MA Core Ethics course - Seminar on Medical Ethics

September 2010: Contribution to Boston Medical Center, Boston MA Department of Pediatrics Case Presentation on Moya moya disease in Sickle Cell Disease

November 2010: Boston Medical Center Department of Pediatrics Case Presentation on Neonatal Immune Thrombocytopenia

December 2010: Boston Medical Center Department of Pediatrics, Boston MA Case of the Week on Retinoblastoma

January 2011: Boston Medical Center Department of Pediatrics, Boston MA Case of the Week : Pancytopenia and Splenomegaly in a 1 year old

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April 2011: Boston Medical Center, Department of Pediatrics, Boston MA Case of the Week:  
Sigmoid Sinus Thrombosis in a 2 year old with a subarachnoid cyst

May 2011: Boston Medical Center Department of Pediatrics, Boston MA Case of the Week:  
Pancytopenia and Splenomegaly in a 21 year old

June 2011: Guest Lecturer, Week Long Pediatrics Seminar: Crudem-Hôpital Sacré Coeur, Cap  
Haitien, Haiti

October 2011: Boston Medical Center, Department of Pediatrics, Boston MA Case of the Week:  
“The Worst Headache of My Life”

August 2013: To staff of Boston Health Net, Boston MA “Sickle Cell Disease – 2013”

December 2013: Multidisciplinary Grand Rounds –Sickle Cell Disease and Stroke, Case  
presentation and discussion. Beth Israel Deaconess, Boston MA

December 2013: Sickle Cell Trait/Sickle Cell Disease: What is New in 2013? New England  
Regional Genetics Annual Seminar. Plymouth MA

January 2015: Acute Leukemia in Childhood. St. Anne’s Hospital, Fall River MA

## GRANTS

2002-2005 “To improve education of the providers of newborn screening of sickle cell  
disease” Co-PI with Ellis Neufeld MD, PhD (PI), Sharon Space MD (Co-PI) and  
Child Health Bureau. \$182,000 for three years.

2006 “To improve parent, teenage and school personnel knowledge of SCD” grant to  
support a multidisciplinary workshop for parents, teenagers, school personnel  
from the Boston MA public school system and staff from Boston Medical Center  
involved in the care of children with sickle cell disease. PI Philippa G. Sprinz  
Funding Agency, Haemonetics® \$7500

2007 “A literature review of the complications of sickle cell disease and  
by use of a modified Delphi method, the development of indicators of quality  
care for children with sickle cell disease.” Co-PI with Jason Wang MD, and  
Patricia Kavanagh MD of a Novartis grant for \$115,000 for one year.

2007 “To improve parent, teenage and school personnel knowledge of SCD” grant to

- support a multidisciplinary workshop for parents, teenagers, school personnel from the Boston MA public school system and staff from Boston Medical Center involved in the care of children with sickle cell disease  
PI Philippa G.Sprinz. Funding Agency: Haemonetics®. \$10,000
- 2010 “To provide support and opportunities for children with cancer.” Grant to support children with a cancer diagnosis at Boston Medical Center. PI. Philippa G. Sprinz  
Funding agency: Cops for Kids with Cancer. \$10,000
- 2010 “ To provide advice and recommendations and a regional seminar with regard to long term follow up children screened positive by the New England Newborn Screening Program. PI Anne Comeau PhD. Co- PI. Funding Agency HRSA New England Genetics Collaborative #U22MC03959. \$10,000
- 2011- 2014 “ To improve knowledge and awareness around sickle cell disease and sickle cell trait. “ Co- PI Funding Agency Health Resources and Services Administration \$500K/year x 4 years
- 2011- 2016 Faculty Member on Boston Medical Center, National Initiative for Children’s Health Care Quality (NICHQ) and Sickle Cell Disease Association of America (SCDAA) Collaborative, on the HRSA grant to evaluate current Sickle Cell Disease Treatment Demonstration Programs
- 2017-2021 Co-PI on the Sickle Cell Disease Treatment Demonstration Regional Collaboratives Program HRSA -17-078 Regional: \$4.29M over 4 years

#### UNIVERSITY TEACHING ROLES/FACULTY SUPPORT

- 2007: Supervisor - Ramsay Singer, BA Hons, (Oxon) for his Medical School Elective  
A study evaluating the nutritional status of children with Sickle Cell Disease, with particular interest in Nitrate/Nitrite intake. Ramsay received a £600 grant from the British Society of Hematology to support this work.
- 2007: Supervisor - Rachel Sissons, BA Hons (Cantab.) for her Medical School Elective.  
The continuation arm of a study evaluating the nutritional status of children with Sickle Cell Disease, with particular interest in Nitrate/Nitrite intake.
- 2007-2008: Supervisor - Kerin Arora, BA for her BUSPH practicum and her GMS degree  
A study evaluating the nutritional status of children with Sickle Cell Disease, with a particular focus on omega 3 fatty intake: A poster presentation at 36<sup>th</sup> Annual Sickle Cell Disease Association of America Convention in New Orleans, September 2008.
- 2008: Supervisor - Allison Paroskie, MD, Pediatric Resident, Baystate Medical Center. A

- survey of the members of The New England Pediatric Sickle Cell Consortium into transfusion practices at the individual institutions. An oral presentation for at the 36<sup>th</sup> Annual Sickle Cell Disease, Association of America Convention in New Orleans, September 2008.
- 2008: Supervisor - Diana Cardona-Grau, BA for her first year Medical School research project. A study evaluating the nutritional status of children with Sickle Cell Disease, with particular interest in Nitrate/Nitrite intake. This work was presented at the BUSM annual students' research fair, 2009
- 2008: Supervisor - Catharine Taylor, Cambridge University Medical Student for 1 month elective period in the US.
- 2008: Supervisor - Chintan Pandya MD Stony Brook School of Public Health for his MPH thesis on Obesity in Children with Sickle Cell Disease. His work contributed to the paper published by the NEPSCC on this topic.
- 2008-2009: Supervisor - Tanmay Gosalia BS, MPH and GMS student at Boston University School of Public Health and Boston University School of Medicine for his looking at changes in the patterns of presentation and severity of illness of children with sickle cell disease, in comparison to their healthy peers, before and after the institution of Prevnar® and the improved herd immunity.
- 2008-2009: Supervisor-Rebekah Hofstra-Shappley, MD. Boston Combined Pediatric Residency. Looking at indicators for admission versus discharge for children with sickle cell disease presenting to the ED at Boston Medical Center with uncomplicated vaso- occlusive pain. Accepted for presentation at PAS 2010

#### UNIVERSITY TEACHING ROLES/FACULTY SUPPORT cont'd

- 2009-2011: Supervisor - Paola Friedrich-Medina, MD. Children's Hospital Boston Pediatric Hematology/ Oncology Fellow. Educational Study on the role and feasibility of stem cell transplant in the management of Sickle Cell Disease. Her work led to the paper published by the American Journal of Health Education on this topic.
- 2009: Supervisor - Rina Dave, BA, MPH/GMS student at BUSPH/BUSM. Indicators for admission for patients with sickle cell disease presenting to the ED at BMC. Also a thesis paper on the role of a day hospital in the care of patients with sickle cell disease. This work was presented at the National Conference on Blood Disorder in Public Health in Atlanta in March 2010.
- 2009 - 2013: Supervisor with David Dorfman MD and Patricia Kavanagh MD for Charise Freundlich MD's ED fellowship project on Acute Chest Syndrome in Children with Sickle Cell Disease, Boston Medical Center.

- 2009 - 2011: Supervisor - Wumi Omonwu, MD. The changes in the patterns of presentation and severity of febrile illness of children with sickle cell disease, in comparison to their healthy peers, before and after the institution of Prevnar® and the improved herd immunity.
- 2009 - 2010: Second Reader for Asif Syed MD for his Master of Arts Degree from Boston University for a project entitled: Prevalence and Course of Abnormal Zinc Protoporphyrin (ZPP) in High Risk Infants and Toddlers in transplantation for Sickle Cell Disease
- 2011 - 2012: Supervisor for Mary Hayes MPH candidate for her thesis on Issues around the Acceptance by families of Stem Cell Transplantation to cure their child's sickle cell disease. This work contributed to the paper published by the American Journal of Health Education on this topic.
- 2011 - 2012: Supervisor for Adeola Akinlonu MBBS, MPH candidate for his thesis work on Transition Care for teenagers with Sickle Cell Disease.
- 2012 - 2014: Mentor/Supervisor for Rajan Sonik, MPH, JD during his two year Scadden Fellowship with a focus on medico-legal needs of children with sickle cell disease and their families.
- 2013 - 2014: Supervisor for Caitlin Dugan, MPH candidate for her work on Educational Tools Families affected by sickle cell disease.
- 2016 -2017: Supervisor Sarah Haberlack, Brown Undergraduate on IRB approved project on community pediatrician understanding and satisfaction of Newborn Screening by the RIDOH. Publication submitted.

#### UNIVERSITY TEACHING ROLES/FACULTY SUPPORT cont'd

- 2016 – 2017: Supervisor Hai Ahn Brown Undergraduate on thesis project on research project on Transition Approaches by Transition team Members Hasbro/ RIHs. Thesis accepted as part of her course needs for graduation.
- 2017- 2018: Supervisor Aviya Lanis, MSIV, on developing a mentorship program for adolescents who are nearing moving to adult services for care of sickle cell disease.
- 2017 - ongoing: Supervisor Jessica Dietz, pediatric resident, Hasbro Children's Hospital, on project evaluation community pediatrician understanding and approaches to bleeding disorders in their patients.

STANDING LECTURES/MEDICAL STUDENT TEACHING:

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|----------------|--|
| 2000 - 2007    | Monthly lectures on pediatric hematology or oncology topics relevant to pediatric residents (Baystate Children's Hospital) |
| 2007 - present | Monthly lectures on pediatric hematology or oncology topics relevant to pediatric residents (Boston Medical Center)        |
| 2008 - present | Six- weekly lectures to third year medical students: "Pediatric Anemias" or Pediatric Oncology (Boston Medical Center)     |
| 2013 - 2014    | Bi-monthly resident lecture "The History of Sickle Cell Disease"   |
| 2011 - 2015    | ICM: First year student, second semester (Boston University School of Medicine)  |
| 2011 - 2015    | MSIII: q week (Boston University School of Medicine)   |
| 2011 - 2015    | Monthly MSIV Pediatric Hematology Elective (Boston University School of Medicine)  |
| 2012 - 2015    | Masters in Genetic Counseling, Boston University, first year (second semester/1 day per week)                              |
| 2012 - 2015    | Masters in Genetic Counseling Boston University second year (first semester/1 day per week x 6 weeks)                      |