

## *Curriculum vitae*

**Date Prepared: 1/30/2012**

**Name: Darryl Miles, M.D.**

**Office Address: Division of Pediatric Critical Care, 1935 Medical District Drive, Dallas, TX 75235**

**Work Phone: (214) 456-7969**

**Work E-Mail: darryl.miles@utsouthwestern.edu**

**Work Fax: (214) 456-6165**

**Place of Birth: Anchorage, Alaska**

### **Education**

Year	Degree (Honors)	Field of Study (Thesis advisor for PhDs)	Institution
1988-1993	BS	Molecular Biology	San Jose State University
1993-1997	MD	Medicine	Univ. of California, San Francisco

### **Postdoctoral Training**

Year(s)	Titles	Specialty/Discipline (Lab PI for postdoc research)	Institution
1997-2000	Resident	Pediatrics	Univ. of California, San Francisco
2002-2005	Fellow	Pediatric Critical Care	University of Texas Southwestern /Children's Hospital Dallas

### **Current Licensure and Certification**

Licensure Texas Medical Board

Board and Other Certification

American Board of Pediatrics, Board, General Pediatrics  
American Board of Pediatrics, Board, Pediatric Critical Care

### **Honors and Awards**

Year	Name of Honor/Award	Awarding Organization
1995	Lowell Glasgow Award	Western Society of Pediatric Research
1996	Deans Prize for Research	University of California, San Francisco

### **Faculty Academic Appointments**

Year(s)	Academic Title	Department	Academic Institution
2000-2002	Associate Instructor	Pediatrics	University of California, San Francisco
2005-2008	Instructor	Pediatrics	University of Texas Southwestern Medical Center

### **Appointments at Hospitals/Affiliated Institutions**

<u>Past</u>			
Year(s)	Position Title	Department/Division	Institution
2000-2002	Staff Physician	Pediatric Hospitalist Program	Marin General Hospital
2000-2002	Staff Physician	San Francisco Neonatology Medical Group	Mills Peninsula Hospital
<u>Current</u>			
Year(s)	Position Title	Department/Division	Institution
2008-Present	Assistant Professor	Pediatrics/ Critical Care	University of Texas Southwestern Medical Center

### **Other Professional Positions**

Year(s)	Position Title	Institution
2006-2008	Research Fellow, Department of Developmental Biology	University of Texas Southwestern Medical Center

### **Major Administrative/Leadership Positions**

Year(s)	Position Title	Institution
2009-Present	PICU Physician Leader, NACHRI Quality Blood Stream Infection Group	Children's Medical Center Dallas
2008-Present	Member, Perot Center for Brain and Nerve Injury	Children's Medical Center Dallas

### **Committee Service** (*Member, unless noted otherwise*)

Year(s)	Name of Committee	Institution/Organization
<u>Hospital</u>		
2011	Chair, Fellow Scholarship Oversight Committee	
<u>National/International</u>		
2010-Present	Pediatric Neurocritical Care Research Group	

### **Professional Societies**

Dates	Society Name, member
2009-Present	National Neurotrauma Society
2010-Present	Society for Neurocritical Care

### **Editorial Activities**

Year(s)	Journal Name
<u>Ad Hoc Reviewer</u>	
2010	BMC Medical Research Journal
2011	Journal of Pediatric Research

### **Grant Support**

<u>Past</u>	<i>Grantor:</i> Children's Medical Center Clinical Research Advisory Committee
	<i>Title of Project:</i> Transplanted Adult Neural Stem Cell Contributions to Brain Remodeling after Traumatic Brain Injury in Mice
	<i>Role:</i> Principal Investigator
	<i>Total Award:</i> \$15,000

### **Clinical Trials Activities**

<u>Present</u>	<i>Grantor:</i> Perot Center for Brain and Nerve Injury
	<i>Title of Project:</i> Genetic Factors in Outcome From Traumatic Brain Injury
	<i>Role:</i> Principal Investigator

### **Teaching Activities**

Year(s)	Activity
<u>Medical student rotations</u>	
2009	Mentor, Medical Student Summer Research Program
2010	Mentor, Medical Student Summer Research Program
<u>Postgraduate medical education (graduate &amp; continuing medical education)</u>	
2010-Present	PICU Resident Lecture Series – Pediatric Stroke

### **Invited Lectures**

Year(s)	Title	Location
<u>National</u>		
2006	Annual Brain and Nerve Injury Center Conference: CNS Remodeling after Ischemic Injury	Dallas, TX

<u>Regional/Local</u>		
2010	Trauma Grand Rounds: Neurocognitive Outcome After Traumatic Brain Injury in Children	Dallas, TX
2010	Neurosurgery Grand Rounds: Predicting Outcome After Pediatric TBI using Quantitative MRI Volume Analysis	Dallas, TX
2011	Children's Legacy Lecture Series: Neuroimaging and Neurocognitive Outcome After Traumatic Brain Injury in Children	Plano, TX

### **Service to the Community**

Year(s)	Role	Organization or institution
2010	Fundraising Chair	Dallas Heart Ball

### **Bibliography**

#### **Peer-Reviewed Publications**

##### Original Research Articles

1.	Chen Y*, <u>Miles DK*</u> , Hoang T, Shi J, Hurlock E, Kernie SG, Lu QR. The basic helix-loop-helix transcription factor olig2 is critical for reactive astrocyte proliferation after cortical injury. <i>J Neuroscience</i> . 2008 Oct 22;28(43):10983-9. *co-first authors
2.	<u>Miles D.K.</u> , Orr B.A., Kernie S.G. (2008) Hypoxic-ischemic brain injury activates early hippocampal stem/progenitor cells to replace vulnerable neuroblasts. <i>Hippocampus</i> . 2008;18(8):793-806.
3.	Koch J.D., <u>Miles D.K.</u> , Gilley J.A., Yang C., Kernie S.G. Brief exposure to hyperoxia depletes the glial progenitor pool and impairs functional recovery following hypoxic-ischemic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> . 2008 Jul;28(7):1294-306
4.	Shi J., <u>Miles D.K.</u> , Orr B.A., Massa S.A., Kernie S.G. Injury induced neurogenesis in Bax-deficient mice: evidence for regulation by voltage-gated potassium channels. <i>European Journal of Neuroscience</i> . 2007 Jun;25(12):3499-512.
5.	<u>Miles D.K.</u> , Freedman M.H., Stephens K., Pallavicini M., Sievers E.L., Weaver M., Grunberger T., Thompson P., Shannon K.M. (1996) Patterns of Hematopoietic Lineage involvement in children with Neurofibromatosis, Type I and malignant myeloid disorders. <i>Blood</i> . 1996 Dec 1;88(11):4314-20.

Reviews, Chapters, Monographs and Editorials

1.	<u>Miles D.K.</u> , Kernie S.G. (2006) Activation of neural stem and progenitor cells after brain injury. <i>Progress in Brain Research</i> . 2006;157:187-197. Review
----	--

Clinical Practice Guidelines

1.	Collaborative Working Group – Guidelines for the Management of Congenital Diaphragmatic Hernia, Children’s Medical Center Dallas
----	--

**Non-peer reviewed scientific or medical publications/materials in print or other media**

1.	<u>Miles D.K.</u> , MD With Thesis Dissertation: (1997) Allelic loss at the NF1 locus and lineage involvement in children with Neurofibromatosis (NF1) and malignant myeloid disorders. Vi, 39 leaves: ill.; cm.
----	--