

***CURRICULUM VITAE***  
**MEREDITH A. ATKINSON, M.D., M.H.S.**

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Meredith Atkinson, M.D., M.H.S.

February 18, 2010  
Date of Version

**I. DEMOGRAPHIC INFORMATION**

**A. Full Name:** Meredith Ann Atkinson

**Business Address:** Johns Hopkins University School of Medicine  
Harriet Lane Children's Health Building, 3064  
200 N Wolfe St.  
Baltimore, MD 21287-2535  
Telephone: 410-955-2467  
Fax: 410-614-3680  
E-mail: [matkins3@jhmi.edu](mailto:matkins3@jhmi.edu)

**B. Education and Professional Training**

1993 to 1996	Mount Holyoke College South Hadley, MA	B.A. Biology, English Minor Cum Laude
1997 to 2001	University of Rochester School Of Medicine and Dentistry Rochester, NY	M.D.
2001 to 2002	The Johns Hopkins Hospital Baltimore, MD	Intern Pediatrics
2002 to 2004	The Johns Hopkins Hospital Baltimore, MD	Resident Pediatrics
2004 to 2006	Johns Hopkins Bloomberg School of Public Health Baltimore, MD	M.H.S. in Epidemiology
2004-2007	Johns Hopkins University Baltimore, MD	Clinical and Research Fellow Pediatric Nephrology

**C. Professional Experience**

1996 to 1997	Research Assistant Division of Molecular Medicine and Gene Therapy University of Rochester Rochester, New York
1998	Medical Anthropology Fellowship University of Rochester Rochester, New York
2007 Active	Assistant Professor of Pediatrics Johns Hopkins University School of Medicine Baltimore, Maryland
2008 Active	Director of Pediatric Nephrology Curriculum Johns Hopkins University School of Medicine Baltimore, Maryland
2009 Active	Evaluation Liaison The Institute for Clinical and Translational Research Johns Hopkins University School of Medicine Baltimore, Maryland

## **II. RESEARCH ACTIVITIES**

### **A. Peer Reviewed Scientific Articles**

1. Federoff HJ and Atkinson M. Towards Gene Therapy of Neurodegenerative Disease. Progress in Brain Research. February 1998, 117; 503-510.
2. Kutubbin M, Federoff HJ, Challita-Eid PM, Halterman M, Day B, Atkinson M, Planelles V, and Rosenblatt JD. Eradication of a pre-established lymphoma using herpes simplex virus amplicon vectors. Blood. January 1999, 93(2); 643-54
3. Frankenfield DL, Atkinson M, Fivush BA, Neu AM. Outcomes for Adolescent Hispanic Hemodialysis Patients: Findings from the End Stage Renal Disease Clinical Performance Measures Project. American Journal of Kidney Diseases. 2006 May; 47(5):870-8.
4. Atkinson MA, Neu AM, Fivush BA, and Frankenfield DL. Ethnic disparity in outcomes for pediatric peritoneal dialysis patients in the ESRD Clinical Performance Measures Project. Pediatric Nephrology. 2007 November; 22:1939-1946.
5. Atkinson MA, Neu AM, Fivush BA, and Frankenfield DL. Disparate outcomes in pediatric peritoneal dialysis patients by gender/race in the End-Stage Renal Disease Clinical Performance Measures Project. Pediatric Nephrology. 2008 August, 23:1331-1338.

6. Atkinson MA, Pierce C, Zack R, Barletta G, Yadin O, Mentser M, Warady B, and Furth S. Hemoglobin Differences by Race in Children with Chronic Kidney Disease. American Journal of Kidney Diseases, In Press.
7. Atkinson MA, Fivush BA, Oberai P, Neu AM, and Parekh RS. Predictors and Consequences of Higher Estimated Glomerular Filtration Rate at Dialysis Initiation in Children. Pediatric Nephrology, In Press.

### **Peer Reviewed Scientific Manuscripts Submitted**

1. Atkinson M, Martz K, Warady B, and Neu A. Risk for Anemia in Pediatric Chronic Kidney Disease Patients: A Report of NAPRTCS. Revised manuscript under review for Pediatric Nephrology.

### **Peer Reviewed Scientific Manuscripts in Preparation**

1. Atkinson M, Pierce C, Fadrowski J, Benador N, White C, Turman M, Pan C, Abraham A, Warady B, and Furth S. Characterization of Iron Status in Children with Chronic Kidney Disease. In progress.
2. Atkinson M, Lestz R, Fivush B, and Silverstein D. Comparative Outcomes between Pediatric and Young Adult Dialysis Patients in Network 5. In Progress.

### **B. Non-Peer Reviewed Articles**

1. Atkinson M. Self-Reliance. Let Me Listen To Your Heart: Writings by Medical Students. Edited by Svahn D, and Kozak A. The Mary Imogene Bassett Hospital, 2002;80-82.

### **C. Book Chapters**

1. Benitez JG, Allison LG, Atkinson M, Bichler C. Poison Control Centers and Medical Toxicology as a subspecialty of Emergency Medicine. Emergency Medical Services and Disaster Management-A Holistic Approach. Jaypee Brothers Medical Publishers, New Delhi, India 2001;101-114.

### **D. Invited Review Articles**

1. Atkinson MA: Heparin and Anemia in Children with Chronic Kidney Disease. Pediatric Nephrology, to be published in late 2010.

### **E. Alternative Media**

1. Atkinson M, Pediatric PD Outcomes Differ by Gender, Race. Published in Renal & Urology News, March 2007.

### **F. Abstracts – Platform Presentations**

1. Atkinson M, Martz K, Warady B, Neu A. Risk for Anemia in Pediatric Chronic Kidney Disease Patients: A Report of NAPRTCS. *Journal of the American Society of Nephrology* 19: 399FC, 2008.
2. Atkinson M, Pierce C, Mitsnefes M, Warady B and Furth S. Hcpidin in Children with Chronic Kidney Disease: A Report from the Chronic Kidney Disease in Children (CKiD) Cohort Study. Accepted for a Platform Presentation at the American Society of Pediatric Nephrology Annual Meeting, May 2010, Vancouver.

**G. Abstracts (\*presented)**

- 1.\* Atkinson M, Neu AM, Fivush BA, and Parekh RS. Predictors of Elevated Glomerular Filtration Rate at Dialysis Initiation in Pediatric End Stage Renal Disease. *Journal of the American Society of Nephrology* 16: 724A, 2005.
- 2.\* Atkinson M, Frankenfield DL, Fivush BA, and Neu AM. Outcomes for Adolescent Hispanic Hemodialysis Patients: Findings from the ESRD Clinical Performance Measures (CPM) Project. *Journal of the American Society of Nephrology* 16: 286A, 2005.
- 3.\* Atkinson M, Neu AM, Fivush BA, and Parekh RS. Association of Elevated Glomerular Filtration Rate at Dialysis Initiation with Subsequent Morbidity in Pediatric End Stage Renal Disease. American Society of Pediatric Nephrology Annual Meeting, E-PAS2006:59:2832.58.
- 4.\* Atkinson M, Fivush BA, Neu AM, and Frankenfield DL. Intermediate Outcomes for Pediatric Hispanic Peritoneal Dialysis Patients: Findings from the ESRD Clinical Performance Measures (CPM) Project. *Journal of the American Society of Nephrology* 17: 410A, 2006.
- 5.\* Atkinson M, Fivush BA, Neu AM, and Frankenfield DL. Gender/Race Disparity in Outcomes for Pediatric Peritoneal Dialysis Patients: Findings from the ESRD Clinical Performance Measures (CPM) Project. *Journal of the American Society of Nephrology* 17: 414A, 2006.
- 6.\* Atkinson M, Fivush BA, Neu AM, and Frankenfield DL. Intermediate Outcomes for Pediatric Hispanic Hemodialysis Patients by Hispanic Subgroup. *Journal of the American Society of Nephrology* 17: 414A, 2006.
- 7.\* Atkinson M, Fivush BA, Neu AM, and Frankenfield DL. Intermediate Outcomes for Pediatric Hemodialysis Patients by Hispanic Subgroup. American Society of Pediatric Nephrology Annual Meeting May 2007, E-PAS2007:60:7921.4.
- 8.\* Atkinson M, Neu A, Fivush B, and Frankenfield D. Longitudinal Improvement in Anemia by Race Among Pediatric Peritoneal Dialysis Patients: Findings from the ESRD Clinical

Performance Measures (CPM) Project. *Journal of the American Society of Nephrology* 18: 780A, 2007.

9. \* Frankenfield D, Atkinson M, Fadrowski J, Fivush B, and Neu, A. Longitudinal analysis of clinical outcomes for pediatric peritoneal dialysis patients in the US, Study Years 2005-2006. *Journal of the American Society of Nephrology* 18: 659A, 2007.
10. \*Atkinson M, Pierce C, Barletta G, Warady B, and Furth S. Racial disparity in anemia in children with chronic kidney disease. *American Society of Pediatric Nephrology Annual Meeting* May 2008, E-PAS2008:61:4491.14.
11. \*Atkinson M, Neu A, Fivush B, and Frankenfield D. A longitudinal examination of anemia By race among pediatric peritoneal dialysis patients: Findings from the ESRD Clinical Performance Measures (CPM) Project. *American Society of Pediatric Nephrology Annual Meeting* May 2008, E-PAS2008:61:4492.2.
12. \*Atkinson M, Martz K, Stablein D, Fivush B, and Neu A. Racial disparity in anemia in children with chronic kidney disease (CKD): A NAPRTCS study. *American Society of Pediatric Nephrology Annual Meeting* May 2008, E-PAS2008:61:4491.15.
13. \*Atkinson M, Fadrowski J, Pierce C, Benador N, Schwartz G, Abraham A, Warady B, and Furth S. Markers of Iron Stores in Children with Chronic Kidney Disease. *Journal of the American Society of Nephrology* 19: 1828A, 2008.
14. \*Atkinson M, Fadrowski J, Pierce C, White C, Schwartz G, Abraham A, Warady B, and Furth S. Association of Anemia and Iron Stores in Children with Chronic Kidney Disease. *Journal of the American Society of Nephrology* 19: 1827A, 2008,
15. \*Atkinson M, Martz K, Stablein D, Fivush B, and Neu A. Disparity in Anemia by Race in Children with Chronic Kidney Disease: A NAPRTCS Study. *Journal of the American Society of Nephrology* 19: 1829A, 2008.
16. \*Fadrowski J, Frankenfield D, Gorman G, Atkinson M, Fivush B, and Neu A. Longitudinal Assessment of Intermediate Outcomes in Pediatric Peritoneal Dialysis Patients. *Journal of the American Society of Nephrology* 19: 1626A, 2008.
17. \*Fadrowski J, Frankenfield D, Atkinson M, Fivush B, and Neu A. Residual Kidney Function in Pediatric Patients on Peritoneal Dialysis. *Journal of the American Society of Nephrology* 19: 431A, 2008.
18. \*Atkinson M, Fadrowski J, Pierce C, White C, Schwartz G, Abraham A, Warady B, and Furth S. Anemia, Iron Stores, and CRP in Children with Chronic Kidney Disease. *American Society of Pediatric Nephrology Annual Meeting* May 2009, E-PAS2009:62:3853.40.

19. \*Atkinson M, Lestz R, Fivush B, and Silverstein D. Comparative Outcomes between Pediatric and Young Adult Dialysis Patients. *Journal of the American Society of Nephrology* 20: 2449A, 2009.
20. \*Lestz R, Fivush B, Neu A, Atkinson M, and Furth S. A Comparison of Hemoglobin and Albumin Targets in Pediatric Dialysis Patients with Urologic vs. Non-Urologic Disease. *Journal of the American Society of Nephrology* 20: 1512A, 2009.
21. Atkinson M, Pierce C, Mitsnefes M, Warady B, Roy C and Furth S. Heparin in the Chronic Kidney Disease in Children (CKiD) Cohort Study. Accepted for presentation at the National Kidney Foundation Annual Clinical Meeting, April 2010, Orlando FL

## H. Research Support

### 1. Completed

- |           |   |
|-----------|---|
| 2004-2005 | Cardiovascular Epidemiology Research Training Grant<br>5 T32 HL07024<br>NIH<br>Role: Pediatric Nephrology Fellow  |
| 2005-2007 | Pediatrics Departmental (NRSA) Training Grant<br>T32 HD044335<br>NIH<br>Role: Pediatric Nephrology Fellow   |
| 2006      | Travel Grant<br>National Kidney Foundation<br>Role: Pediatric Nephrology Fellow   |
| 2007-2009 | <i>Racial and Ethnic Disparities in the Prevalence and Severity of Anemia in Children with Chronic Kidney Disease</i><br>Loan Repayment Program<br>NIH  |
| 2007-2008 | <i>Racial and Ethnic Disparities in the Prevalence and Severity of Anemia in Children with Chronic Kidney Disease</i><br>New Researcher Award<br>Thrasher Research Fund<br>Role: Principal Investigator |
| 2007-2008 | <i>Racial and Ethnic Disparities in the Prevalence and Severity of Anemia in Children with Chronic Kidney Disease</i><br>Professional Development Award<br>National Kidney Foundation of Maryland       |

Role: Principal Investigator

2007-2009 *Racial and Ethnic Disparities in the Prevalence and Severity of Anemia in Children with Chronic Kidney Disease*  
Junior Faculty Award  
Amgen Inc.  
Role: Principal Investigator

## 2. Ongoing

**Period:** 2008-2010  
**Title:** Racial Disparities in Anemia and Inflammation in Children with Chronic Kidney Disease  
**ID #:** YIC1016  
**Sponsor:** National Kidney Foundation-Young Investigator Grant  
**Total Direct Costs:** \$100,000  
**PI:** Meredith Atkinson  
**Role:** P.I.  
**% Effort:** 10%

**Period:** 2008-2010  
**Title:** Chronic Kidney Disease in Children  
**ID #:** U01 DK066174  
**Sponsor:** NIH/NIDDK  
**Total Direct Costs:** \$737,737  
**PI:** Susan Furth, M.D., Ph.D.  
**Role:** Co-investigator  
**% Effort:** 5%

**Period:** 2009-2010  
**Title:** The Institute for Clinical and Translational Research  
**ID #:** Clinical and Translation Science Award (CTSA)  
**Sponsor:** NIH  
**Total Direct Costs:** \$13,704,002  
**PI:** Daniel Ford, M.D., M.P.H.  
**Role:** Evaluation Program Coordinator  
**% Effort:** 10%

**Period:** 2009-2010  
**Title:** Heparin and Anemia in Children with Chronic Kidney Disease  
**ID #:** YQEC4151  
**Sponsor:** NIH – Loan Repayment Program  
**Total Direct Costs:** N/A  
**PI:** Meredith Atkinson  
**Role:** P.I.  
**% Effort:** N/A

### 3. Pending

**Period:** 2010-2015  
**Title:** Role of Inflammation and Heparin in the Anemia of Chronic Kidney Disease in Children  
**ID #:** 1K23 DK084116-01  
**Sponsor:** NIH-NIDDK  
**Total Direct Costs:** \$791,100  
**PI:** Meredith Atkinson, M.D., M.H.S.  
**Role:** P.I.  
**% Effort:** 75%

#### I. Investigator/Multi-center Trials

2006 Active *Higher GFR at Dialysis Initiation and Impact on First Year Outcomes Racial and Ethnic Disparities in the Prevalence and Severity of Anemia in Children with Chronic Kidney Disease Risk for Anemia in Pediatric Chronic Kidney Disease Patients*  
NAPRTCS: North American Pediatric Renal Trials and Collaborative Studies  
Multi-Center Trial  
Role: Principal Investigator

2007 Active *Racial Disparity in Anemia in Children with Chronic Kidney Disease Racial Disparity in Anemia and Inflammation in Children with Chronic Kidney Disease Heparin and Anemia in Children with Chronic Kidney Disease*  
Chronic Kidney Disease in Children Prospective Cohort Study  
Multi-Center Trial  
Role: Principal Investigator/Co-Investigator

2008 Active *A Multicenter, Double-blind, Randomized Study Evaluating De Novo Weekly and Once Every 2 Week Darbepoietin alfa Dosing for the Correction of Anemia in Pediatric Subjects Receiving and Not Receiving Dialysis*  
Multi-Center Trial  
Funded by Amgen Inc.  
Role: Co-Investigator

### III. CLINICAL ACTIVITIES

#### A. Clinical Service

2007-2008 8 weeks inpatient service



	3 half-day outpatient clinics per month
2008-2009	10 weeks inpatient service 3 half-day outpatient clinics per month
2009-2010	10.5 weeks inpatient service 4 half-day outpatient clinics per month

## **B. Licensure and Certification**

### *Medical License*

2004	Maryland
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### *Board Certifications*

2001	National Board of Medical Examiners
2004	American Board of Pediatrics

## **IV. EDUCATIONAL ACTIVITIES**

### **A. Clinical Instruction**

1995-1996	Mount Holyoke College, Department of Biology Teaching Assistant South Hadley, MA Taught introductory biology and genetics lab sections
2004 Active	Johns Hopkins University School of Medicine Division of Pediatric Nephrology Responsible for teaching of renal medical students and residents Present board review lectures 4-6 times per year
2006 Active	Johns Hopkins University School of Medicine Discussion Leader, Renal Physiology Course Lead discussion group assignments for first-year medical students
2006	Johns Hopkins University School of Medicine Course Faculty, Clinical Epidemiology Course Baltimore, MD Led discussion group assignments for first-year medical students
2007 Active	Johns Hopkins University School of Medicine Director of Pediatric Nephrology Curriculum

Responsible for weekly lecture series for faculty and fellows which includes multidisciplinary conferences, board review lectures, and journal club. Coordinate board review curriculum.

5/2008 Department of Pediatrics Noon Conference  
Johns Hopkins Children's Center  
Research Lecture  
"Anemia in Pediatric CKD"

6/2008 Department of Pediatrics Grand Rounds  
St. Agnes Hospital, Baltimore, MD  
"Diagnostic Imaging of the Kidney"

1/2009 Department of Pediatrics Noon Conference  
Sinai Hospital, Baltimore, MD  
"Diagnostic Imaging of the Kidney"

## **B. CME Instruction**

3/2003 Department of Pediatrics Grand Rounds  
Johns Hopkins University School of Medicine  
"Siblings of Children with Chronic Disease"  
(Baltimore, MD)

4/2006 34<sup>th</sup> Annual Pediatric Trends  
Johns Hopkins Children's Center  
"Renal Red Flags"  
(Baltimore, MD)

4/2006 Department of Pediatrics Grand Rounds  
Johns Hopkins University School of Medicine  
"Decreased Morbidity Associated with Higher Estimated Glomerular Filtration Rate (eGFR) at Dialysis Initiation in Pediatric End Stage Renal Disease"  
(Baltimore, MD)

11/2008 American Society of Nephrology Annual Meeting  
Free Communication Session  
"Risk for Anemia in Pediatric Chronic Kidney Disease Patients: A Report of NAPRTCS"  
(Philadelphia, PA)

## **V. ORGANIZATIONAL ACTIVITIES**

1997-2000	Mount Holyoke College Regional Alumni Admissions Coordinator South Hadley, MA Oversight of alumni recruitment efforts over three-county area
2002-2004	Johns Hopkins University School of Medicine Pediatric Residency Curriculum Committee Member
2005-2006	Division of Pediatric Nephrology Advocacy Program Johns Hopkins University Camp All-Stars Staff
2005 Active	Pediatric Residency Program Johns Hopkins University School of Medicine Interviewer for Intern Applicants
2006 Active	Division of Pediatric Nephrology Johns Hopkins University School of Medicine Transition Program Committee Member
2007 Active	Division of Pediatric Nephrology Johns Hopkins University School of Medicine Director, Renal Curriculum
2009 Active	Advisory group member Office of Women in Science and Medicine Johns Hopkins University School of Medicine
2009 Active	Mid-Atlantic Renal Coalition Pediatric Section Committee Member
2009 Active	Clinical Research, Training, Education and Career Development Program Evaluation Liaison

## **VI: RECOGNITION**

## **A. Awards**

1995	The Abby Howe Turner Award for Excellence in Animal Physiology Mount Holyoke College
1996	B.A. cum laude, Mount Holyoke College
2004-2005	Cardiovascular Epidemiology Research Training Grant Award
2005-2006	Pediatrics Departmental (NRSA) Training Grant Award
2006	M.H.S. in Epidemiology, Johns Hopkins Bloomberg School of Public Health
2007	Amgen Nephrology Institute Junior Faculty Research Award
2007	Thrasher Research Fund New Researcher Award
2007	National Kidney Foundation of Maryland Professional Development Award
2007	NIH Loan Repayment Award for Pediatric Research
2008	Harriet Lane Housestaff Fellow Teaching Award
2008	National Kidney Foundation Young Investigator Award
2009	NIH Loan Repayment Award for Pediatric Research

## **B. Society Memberships**

2006-present	National Kidney Foundation
2005-present	American Society of Nephrology
2005-present	American Society of Pediatric Nephrology
2004-present	Diplomate of the American Board of Pediatrics

## **C. Selected Invited Talks/Panels**

4/1999	Society for Applied Anthropology Annual Meeting “An Examination of Views about Healthcare Held by Homeless Individuals in Rochester, NY” (Tucson, AZ)
5/2006	North American Pediatric Renal Trials and Cooperative Study Annual Meeting, Invited Lecture

“Higher GFR at Dialysis Initiation and Impact on First Year Outcomes”  
(Las Vegas, NV)

- 3/2008 North American Pediatric Renal Trials and Cooperative Study  
Annual Meeting, Invited Lecture  
“Racial and Ethnic Disparities in the Prevalence and Severity of Anemia  
in Children with Chronic Kidney Disease”  
(New Orleans, LA)
- 3/2008 Chronic Kidney Disease in Childhood Study Investigators’ Meeting  
Invited Lecture  
“Racial Disparity in Anemia in Children with Chronic Kidney Disease”  
(New Orleans, LA)
- 6/2008 Department of Pediatrics Grand Rounds  
Invited Lecture: “Diagnostic Imaging of the Kidney”  
St. Agnes Hospital, Baltimore, MD
- 11/2008 American Society of Nephrology Annual Meeting  
Invited Platform Presentation-Free Communication Session  
“Risk for Anemia in Pediatric Chronic Kidney Disease Patients: A Report of  
NAPRTCS”  
(Philadelphia, PA)
- 2/2009 Stapepi/KIDMAC Group Research Meeting  
Johns Hopkins Bloomberg School of Public Health  
“Iron Indices in Children with Chronic Kidney Disease”  
(Baltimore, MD)
- 10/2009 CKiD Steering Committee Meeting  
“Preliminary Analysis of Heparin Data”  
(Baltimore, MD)
- 5/2010 Pediatric Academic Societies’/American Society of Pediatric Nephrology  
Annual Meeting  
Invited Platform Presentation  
“Heparin in Children with Chronic Kidney Disease: A Report from the  
Chronic Kidney Disease in Children (CKiD) Cohort Study”  
(Vancouver, BC, Canada)

#### **D. Reviews**

- 2006 Invited Reviewer  
Pediatric Transplantation

2009

Invited Reviewer  
Nephrology Dialysis Transplantation