

## KATHERINE G. MEILLEUR, PhD

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### Education

- 2009      PhD      Nursing  
Thesis: "Molecular Diagnosis of Hereditary Neurological Diseases in Mali"  
Graduate Partnership Program  
Johns Hopkins University, School of Nursing, Baltimore, MD  
and the National Institutes of Health, Bethesda, MD  
*Summer Genetics Institute, 2006*  
*National Institute of Nursing Research, Bethesda, MD*  
*and Georgetown University, Washington, DC*
- 2004      MSN      Pediatric Nurse Practitioner  
School of Nursing  
University of Pennsylvania,  
Philadelphia, PA  
*Clinical experience: Department of Metabolism*  
*Children's Hospital of Philadelphia*
- 2001      BSN      School of Nursing  
University of Pennsylvania  
Philadelphia, PA
- 1995      BS      Biology, Honors Citation  
College of Life Sciences  
University of Maryland

### Clinical Certifications

- 2002      RN  
2004      Certified Registered Nurse Practitioner

### Research Experience and Professional Positions

- 2008-present      Research Fellow, Center for Research on Genomics and Global Health,  
National Human Genome Research Institute  
Advisor: Charles Rotimi
- 2004-2009      Graduate Student, Neurogenetics Branch, National Institute of Neurological  
Disorders and Stroke

Advisor: Kenneth Fischbeck  
2007-2009 Triage nurse, Pediatric Emergency Department, Holy Cross Hospital  
2004-2005 Pediatric nurse practitioner, Newborn Nursery, Hospital of the University of Pennsylvania  
2002-2004 Staff nurse, Intensive Care Nursery, Hospital of the University of Pennsylvania  
1996-2001 Postbac Research Assistant, Department of Genetics, University of Pennsylvania  
Advisor: Haig Kazazian  
1995-1996 Postbac Clinical Research Assistant, Department of Gastroenterology, Walter Reed Army Medical Center  
Advisor: Corinne Maydonovitch

### **Teaching Experience**

2008 Guest Lecture: Emerging Health Promotion Strategies; Global Genetics. Johns Hopkins University School of Nursing  
2007 SPSS seminar, University of Bamako, Faculty of Medicine  
2005 Teaching Assistant, Undergraduate Anatomy and Physiology course, Johns Hopkins University

### **Mentoring**

#### Supervised

- 1 medical resident
- 1 genetic counseling graduate student
- 1 postbac research assistant

### **Awards**

2008 New Investigators' Day, 3<sup>rd</sup> place abstract, Johns Hopkins University School of Nursing  
2007 Best Presentation by a Young Scientist, 2<sup>nd</sup> place, African Society of Human Genetics  
1996 Commander's Award, Walter Reed Army Medical Center  
1994 Phi Beta Kappa, inducted fall, 1994  
1991-1995 Distinguished Maryland Scholar, Academic Scholarship

### **Service**

2006-2007 Student Representative, PhD Curriculum Committee, Johns Hopkins University School of Nursing  
1997-2007 Volunteer Staff, Medical Campus Outreach, Tenth Presbyterian Church  
*Summer Medical Institute, Philadelphia, PA, 1997-2001*

### **Professional Affiliations**

2000-present Sigma Theta Tau International Honor Society of Nursing  
2004-2005 National Association of Pediatric Nurse Practitioners

### **Languages**

Speak, read and write French, Russian, and some Spanish.

## International Experience

- Bamako, Mali, April 2006- October 2008: National Institute of Neurological Disorders and Stroke, National Institutes of Health and University of Bamako, Faculty of Medicine, Pharmacy, and Odonto-Stomatology, Department of Neuroscience
- Murmansk, Russia, May-June 2003: Agape Medical Mission
- Bishkek, Kyrgyzstan, May 2000: Ministry of Health of Kyrgyzstan
- Jerusalem, Israel, March 2000: University of Pennsylvania School of Nursing

## Poster Abstracts

- K.G. Meilleur, M. Sangaré, G. Landouré, A. La Pean, S. Coulibaly, F. Mochel, A. Britton, A. Singleton, K.H. Fischbeck, M. Traoré. "Molecular diagnosis of Hereditary Neurological Disease in Mali, West Africa," American Neurological Association, Salt Lake City, September 2008
- K.G. Meilleur, M. Sangaré, G. Landouré, A. La Pean, S. Coulibaly, F. Mochel, A. Britton, A. Singleton, M. Traoré, K.H. Fischbeck "Molecular diagnosis for Hereditary Neurological Disease in Mali, West Africa: Social and Research implications," New Investigators' Day, Johns Hopkins University School of Nursing, Baltimore, April 2008
- K.G. Meilleur, M. Traoré, M. Sangaré, G. Landouré, A. La Pean, S. Coulibaly, F. Mochel, A. Britton, A. Singleton, K.H. Fischbeck. "Molecular diagnosis for Hereditary Neurological Disease in Mali, West Africa: Social and Research Implications," International Society of Nurses in Genetics, Bristol, England, May 2007

## Oral Presentations

- "Molecular diagnosis for Hereditary Neurological Disease in Mali, West Africa" International Honor Society of Nursing, Vancouver, Canada, July 2009
- "Molecular diagnosis for Hereditary Neurological Disease in Mali, West Africa," African Society of Human Genetics, Cairo, Egypt, November 2007
- "Ethical Implications of Genetic Testing in Mali," Hopkins All-University Seminar on Africa, Baltimore, MD, USA, April, 2007
- "Interventions to Improve Patient Education Regarding Multifactorial Genetic Conditions," Sigma Theta Tau International Honor Society of Nursing, 17th International Nursing Research Congress, Montréal, Québec, Canada, July, 2006

## Publications

*Names in italics are mentees*

1. **Meilleur, K.G.**, Traoré, M., *Sangaré, M.*, Britton, A., Landouré, G., Coulibaly, S., Niaré, B., Mochel, F., La Pean, A., Rafferty, I., *Watts, C.*, Littleton-Kearney, M.T., Blackstone, C., Singleton, A., Fischbeck, K.H. (In review.) Spastic paraplegia and amyotrophy associated with a novel locus on chromosome 19. Neurogenetics.
2. **Meilleur, K.G.**, Coulibaly, S., Traoré, M., Landouré, G., La Pean, A., *Sangaré, M.*, Mochel, F., Traoré, S., Fischbeck, K., Han, H.R. (In review.) Genetic testing and counseling for hereditary neurological diseases in Mali. Public Health Genomics.
3. Traoré, M., Landouré, G. Motley, W., *Sangaré, M.*, **Meilleur, K.G.**, Coulibaly, S., Traoré, S. Niaré, B., Mochel, F., La Pean, A., Vortmeyer, A., Mani, H., Fischbeck, K.H. (2009). Novel mutation in the NHLRC1 gene in a Malian family with a severe phenotype of Lafora disease. Neurogenetics 10(4), 319-323.

4. **Meilleur, K.G.** & Littleton-Kearney, M.T. (2009.) Interventions to Improve Patient Education Regarding Multifactorial Genetic Conditions: A Systematic Review. American Journal of Medical Genetics, 149A(4), 819-830.
5. **Balk, K.\*#** & Biesecker, L.G. (2008). The Clinical Atlas of Greig Cephalopolysyndactyly Syndrome. American Journal of Medical Genetics, 146(5), 548-557.
6. **Balk, K.G.\*** (2007). Recommended Newborn Screening Policy Change for the NICU Infant. Policy, Politics, and Nursing Practice 8(3), 210-219.
7. **Balk, K.\*** (2005). Newborn Screening Guidelines for the Critically Ill Infant. Neonatal Network, 24(5), 39-42.
8. Blouin, J.L., Dombroski, B.A., Nath, S.K., Lasseter, V.K., Wolyniec, P.S., Nestadt, G., Thornquist, M., Ullrich, G., McGrach, J., Kasch, L., Lamacz, M., Thomas, M.G.Gehrig, C. Radhakrishna, U., Snyder, S.E. **Balk, K.G.\*** Neufeld, K., Swartz, K.L.DeMarchi, N. Papdimitriou, G.N., Dikeos, D.G., Stefanis, C.N., Chakravarti, A., Childs, B.Housman, D.E., Kazazian, H.H., Antonarakis, S., Pulver, A.E. (1998). Schizophrenia susceptibility loci on chromosomes 13q32 and 8p21. Nature Genetics, 20(1), 70-73.

\*Balk name change to Meilleur

#Cover article

References available upon request.