

ALLISON LORNA AGWU, M.D.

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments:

Johns Hopkins University School of Medicine, Assistant Professor in Divisions of Pediatric & Adult Infectious Diseases

Certifications:

American Board of Internal Medicine (2003-2013)

American Board of Pediatrics (2004-2011)

Personal Data:

Department of Pediatrics
Division of Pediatric Infectious Diseases
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Education and Training:

Undergraduate:

August 1991- May 1995

University of Maryland, College Park.

Bachelor of Science, with Honors

Major- General Biology

Doctoral:

August 1995- May 1999

University of Maryland School of Medicine

Doctor of Medicine

Residency:

June 1999- May 2003

Case Western Reserve University

University Hospitals of Cleveland/ Rainbow Babies & Children's Hospital

Internal Medicine-Pediatrics Residency

Fellowship:

June 2003 – Present (Expected date of completion June 2007)

Johns Hopkins University School of Medicine

Internal Medicine-Pediatrics Infectious Diseases Fellowship

RESEARCH ACTIVITIES

Publications:

Ziemniak C, **George Agwu A**, Moss WJ, Ray SC, Persaud D. A Sensitive Genotyping Assay for Detection of Drug Resistance Mutations in Reverse Transcriptase of HIV-1 Subtypes B and C in Samples Stored as Dried Blood Spots or Cryopreserved RNA Extracts. *Journal of Virological Methods*. 2006 Sep; 136(1-2):238-47.

Agwu AL, Jane Lindsey, Kimberly Ferguson, Haili Zhang, Stephen A. Spector, Bret J. Rudy, Steven Douglas, Patricia Flynn, Deborah Persaud, and the Pediatric AIDS Clinical Trials Group 381 Study Team. Rapid Emergence and Persistent Replication of Non-Nucleoside Resistant Variants in HIV-1 Infected Youth Failing Primary HAART: Implications for Initial Therapy in Youth. Manuscript under review

Williams KM **and Agwu AL**, Alexandra Valsamakis, Alix A. Dabb, Meghan A. Higman, David M. Loeb, Allen R. Chen. A Clinical Algorithm for Cidofovir Treatment of Adenoviral Infections in Pediatric Oncology and Bone Marrow Transplant Patients: A Report of Directed, Safe and Effective Cidofovir Use. Manuscript resubmitted

Agwu AL, Lee CKK, Jain SK, Murray K, Topolski J, Miller R, Townsend T, Kim KS, Lehman C. A Novel Web-Based Antimicrobial Approval Program Improves Efficiency, Communication, User Satisfaction, and Results in Significant Cost-savings. Manuscript in preparation.

Abstracts:

Agwu AL, Ellen J, Rustein R, Guar AH, Spector SA, Warford, R, and Gebo KA
Discordance in HAART Utilization Rates in HIV-1 Infected Adolescents in a Multisite U.S. Cohort
Accepted for poster presentation at the 15th Conference on Retroviruses and Opportunistic Infections.
February 2008

Allison Agwu, M.D., Carlton Lee, PharmD, Sanjay Jain, M.D., Kara Murray, PharmD, Jason Topolski, PharmD, Robert Miller, M.D., Timothy Townsend, M.D., Kwang Sik Kim, M.D., Christoph Lehman, M.D. A Web-Based System Improves a Restricted Antibiotic Approval Program. PAS, May 2007

Allison Agwu, M.D., Carlton Lee, PharmD, Sanjay Jain, M.D., Kara Murray, PharmD, Jason Topolski, PharmD, Robert Miller, M.D., Timothy Townsend, M.D., Kwang Sik Kim, M.D., Christoph Lehman, M.D. A Web-Based System Improves a Restricted Antibiotic Approval Program. Accepted for presentation at the Annual Meeting of Infectious Diseases Society of America, Toronto, Canada, October 12 - 15, 2006

Allison L. Agwu, M.D., Carlton K.K. Lee, PharmD, Sanjay K. Jain, M.D., Kara Murray, Jason Topolski, Pharm, Robert E. Miller, M.D., Timothy Townsend, M.D., Kwang Sik Kim, M.D. and Christoph U. Lehman, M.D. A Novel Web-based Antimicrobial Approval Program Improves Efficiency, Communication, User Satisfaction, and Results in Significant Cost-Savings. Oral abstract (#550280) presentation, American Academy of Pediatrics National Conference & Exhibition, Atlanta, Georgia, October 7-10, 2006

Carlton K.K. Lee, **Allison L. Agwu**, Sanjay K. Jain, Kara Murray, Jason Topolski, Robert Miller, Timothy Townsend, Kwang Sik Kim, and Christoph U. Lehman. Web- Based System Improves a

Restricted Antibiotic Approval Program. Partners in Paediatric Patient Safety 2nd Annual Conference. Toronto, Canada. June 9th, 2006

Allison L. Agwu, Kimberly Ferguson, Jane Lindsey, Steven Douglas, Bret J. Rudy, Stephen A. Spector, Patricia Flynn, Deborah Persaud, and the Pediatric AIDS Clinical Trial Group 381 Study Team. Analysis of HIV-1 Drug Resistance and Immune Outcomes in HIV-1 Infected Youth Failing Initial HAART. Abstract #: 753582. Pediatric Academic Societies' Annual Meeting, San Francisco, California, 2006.

Williams KM and **Agwu AL**, Dabb A, Higman MA, Loeb DM, Chen AR. Clinical Algorithm for Cidofovir Treatment of Adenoviral Infections in Pediatric Oncology and Bone Marrow Transplant Patients: A Report of Directed, Safe and Effective Cidofovir Use. American Society for Blood and Marrow Transplantation, Honolulu, Hawaii, 2006.

Research Program Building:

- 7/04 – **Fellow research project:** Worked in the laboratory of Dr Deborah Persaud on HIV-1 infection in adolescent patients
- 6/02- 6/04 **Resident research project:** Worked within the Aids Clinical Trial Unit at Case Western Reserve University, under the guidance of Dr Grace McComsey examining menstrual dysfunction in HIV-infected females. Designed IRB-approved study, which is ongoing.
- 2/02- 3/02 **Health Frontiers Fellowship:** worked under the guidance of Dr Karen Olness in Vientianne, Laos on the design and pilot of the Osomo Study, examining interventions in teaching (maternal and child health, modification of traditional practices) on infant health
- 6/98-8/98 **Howard University Minority International Research Traineeship, Kingston, Jamaica** Interned at the Caribbean Food and Nutrition Institute, developed and coordinated study of physical activity patterns of Jamaicans in relation to body mass index, chronic disease, and socioeconomic factors. The results were used to design programs to improve health in this population.
- 6/96 - 8/96 **Fogarty International Research Training Program, Rio de Janeiro, Brazil** Worked with the Nucleus for the Study of Adolescent Health, a multi-disciplinary team with the goal of identifying and attempting to solve the major health and social problems affecting the adolescent population in the favella of Villa Isabel.
- 1993 -1995 **Howard Hughes Honors Research Fellowship, University of Maryland** Studied the effects of stress and exogenously introduced corticosteroids on pair bonding patterns of prairie voles.
- 6/94 - 8/94 **Fogarty International Research Fellowship, Erasmus University, Rotterdam, Netherlands** Developed a model cell line for Follicle Stimulating Hormone (FSH) investigation.
- 6/92 - 8/93 **University of Maryland at Baltimore Short Term Research Traineeship**
(Summers) Examined role of Vascular Endothelial Growth Factor at blastocyst implantation sites in rat uteri.

EDUCATIONAL ACTIVITIES

Educational Publications

Lange CG, Getty PJ, Morrissey AB, **George AL**, Young PC, Armitage KB. Destructive osteoarthritis after delayed diagnosis of tuberculosis. *Infection* 2002; 30: 46-9

Milestone AM, **Agwu AG**, Angulo FJ. Alerting Pregnant Women to the Risk of Reptile-Associated Salmonellosis. *Obstet Gynecol.* 2006 Feb; 107(2): 516-518.

George Agwu A, Pasternak R, Joyner M, Carver C, Francis H, Siberry GK. Nontypeable *Haemophilus Influenzae* Meningitis Complicated by Hearing Loss in a 9-year-old HIV-infected Boy. *AIDS Patient Care and STDs.* August 2006; 20(8):531-5.

Allison Agwu, Kenneth Brady, Tracy Ross, Karen Carroll, and Neal Halsey. Cholera-Like Diarrhea and Shock Associated with Community-Acquired Methicillin Resistant *Staphylococcus aureus* (USA400 clone) Pneumonia. *Pediatric Infectious Diseases Journal.* 2007 Mar; 26(3): 271-73.

Peter Benjamin, Noel Brownlee, Ajay Jain, Karla Alwood, Susan E. Dorman, **Allison Agwu**. Prolonged Diarrhea, Protein Losing Enteropathy, and Intestinal Perforation: An Illustrative Case of HIV-Associated Kaposi Sarcoma. *The Internet Journal of Gastroenterology.* 2007; 5 (2).

Abstracts

George AL, Ruzany ME. The Nucleus for the Studies of Adolescent Health: An Analysis of the State of Adolescence in Rio de Janeiro and the NESA Role in Remediating the Situation *Journal of the Association of Academic Minority Physicians.* Volume 7(4). p. XXV. October, 1996.

Allison L. Agwu, Nancy Hutton, George K. Siberry. Symptomatic Cerebral Infarction in Vertically HIV-1 Infected Adolescents in the Era of Highly Active Antiretroviral Therapy. Abstract #: 753899. Pediatric Academic Societies' Annual Meeting, San Francisco, California, 2006.

Oluwaseun Falade, M.D., **Allison Agwu M.D.** HIV Infection: The Great Mimic. American College of Physicians. Baltimore, Maryland. May, 2007.

Book Chapters:

First Aid for the Pediatric Boards, Infectious Diseases Chapter; First Edition, McGraw Hill 2006

Harriet Lane Manual for Pediatric Infectious Diseases (*Completed*)

Travel Manual of Pediatric Infectious Diseases (HIV Chapter) (*completed, publication pending*)

Teaching:

Johns Hopkins Center for Global Health International Pediatric HIV Lecture Series entitled *Management of Pediatric HIV/AIDS in India*- Lecturer (July 2007)

34th Annual Pediatric Trends: Beyond the Bugs: Pediatric Infectious Disease Cases. Johns Hopkins Department of Pediatrics, Baltimore, Maryland. April 2006

Johns Hopkins Hospital Children's Center Grand Rounds: Overhauling the Antimicrobial Approval Program. Baltimore, Maryland. May 2005

Rainbow Babies & Children's Hospital Pediatric Grand Rounds: *Excited to Death: Tetanus Infection.* Cleveland, Ohio. April 2002

Educational Extramural Funding

On-line Antimicrobial Approval System- received Telethon grant for the further development of an on-line antimicrobial approval program in the JHH Children's Center

ADDITIONAL ACADEMIC ACTIVITIES:

Ad-hoc reviewer for Pediatrics (2004)

Reviewer for Pediatric Blood and Cancer (2005)

HONORS AND ACADEMIC DISTINCTIONS

American Academy of Pediatrics Council on Clinical Information Technology Best Paper Presentation- Second Place

Infectious Diseases Society of America Young Investigator's Travel Award (2006)

Pediatric Academic Society Young Investigator's Travel Award (2006)

The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins Cancer Center at Johns Hopkins

Fellow Research Day April, 2006 Best Clinical Project- Honorable Mention

University of Maryland School of Medicine Merit Scholarship (1995-1999)

State of Maryland Delegate Scholarship (1995-1999)

State Senatorial Scholarship (1995-1999)

Banneker Academic Scholarship - University of Maryland College Park (1991-1995)

Maryland Medallion Society, Outstanding Contribution to University of Maryland (1995)

Carl Rowan Project Excellence Scholar (1991- 1995)

COMMITTEES/POSITIONS:

Transitions Committee for HIV-Infected Youth from Pediatric to Adult Care (2005- Present)

ID-Oncology Committee (2005- Present)

Resident-Nursing Committee Representative (2000- 2003)

Rotsky Foundation Community Mentor (2000 – 2003)

Curriculum Committee Representative (1995-1999)

S.T.O.P AIDS Community Outreach Program Group leader (1997)

University of Maryland/Johns Hopkins Community Care Health Fair (1996)

Domestic Violence Workshop, committee member (1996)

Student National Medical Association Teen Sexuality Committee Co-Chair (1995-1996)

Sexual Health & Reproductive Education (SHARE) Counselor (1994 - 1995)

AFFILIATIONS:

Infectious Diseases Society of America (2003 – Present)

Pediatric Infectious Diseases Society (2003- Present)

American Academy of Pediatrics (1999- Present)

National Med/Peds Association

American Medical Association (1995-Present)