

Fogarty AITRP Mentor Completion Form

Name: James Shepherd

Degree(s): MD PhD

Preferred Contact Information: shepherd@umbi.umd.edu

Division of Geographic Medicine and Institute of Human Virology

Education:

MD 1999 Columbia University College of Physicians and Surgeons

Research Interest and Key Publications:

Antiretroviral Therapy

Co-receptor antagonists and HIV tropism

Developing world ART and drug resistance

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

1. Opportunity to assist in treating HIV-infected patients in Nigeria in multiple settings
2. Develop protocol and begin study to confirm empiric TB diagnosis in Nigeria with gold standard culture
3. Collaborate with team to develop and administer Patient Satisfaction Survey in Nigeria to facilitate consumer-driven improvement in services
4. HIV prevalence in a rural community in close proximity to a large African city

Skills Needed to Fulfill Duties of Project

Ability to take antimalarials and cipro

Length of Time Needed for Project

Open ended

Willingness to Mentor Students from Different Fields

Dentistry No

MPH /Dual Degree Yes

Law Yes

Medical Yes

Nursing Yes

Pharmacy No

Public Health Yes

Social Work Yes

Fogarty AITRP Mentor Completion Form

Name: Maria Eng

Degree(s): MPH, DrPH

Preferred Contact Information:

eng@umbi.umd.edu

Education:

DrPH – John Hopkins

Research Interest and Key Publications:

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

- Default tracking M&E, Adherence, Pharmacy and home base care
- IEC Development (Communications, Education)
- Doris Duke
- Train Staff on Microsoft office, data entry

Skills Needed to Fulfill Duties of Project

basis statistics skills, ability to analyze data

Length of Time Needed for Project

Willingness to Mentor Students from Different Fields

Dentistry	Yes <input type="radio"/>	No <input type="radio"/>
MPH /Dual Degree	Yes <input type="radio"/>	No <input type="radio"/>
Law	Yes <input type="radio"/>	No <input type="radio"/>
Medical	Yes <input type="radio"/>	No <input type="radio"/>
Nursing	Yes <input type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>
Public Health	Yes <input type="radio"/>	No <input type="radio"/>
Social Work	Yes <input type="radio"/>	No <input type="radio"/>

Fogarty AITRP Mentor Completion Form

Name: Alash'le G. Abimiku

Degree(s): M.Sc; PhD

Preferred Contact Information:

abimiku@umbi.umd.edu

Education:

B.Sc. Medical Microbiology

M.Sc. Immunology

PhD. Medical Immunology and Virology

Research Interest and Key Publications:

- Molecular characterization of HIV-1 non-B subtypes with particular interest in subtypes circulating in Nigeria
- HIV-1 subtype distribution in different risk populations in Nigeria
- Understanding the role of viral set point and immune responses in the pathogenesis of HIV-1 in Nigerian infants within the context of prevention of mother to child transmission of HIV
- Risk factors, subtype distribution and resistant patterns in a mother to child transmission cohort
- Impact of delay in initiation of treatment in infants in developing countries on viral set point and disease progression
- Effect of Malarial infection on HIV-1 viral set point, immune function and disease progression in HIV-1 infected pregnant women and their infants
- Cost effective and sensitive new diagnostic tools for HIV, TB and malaria for developing countries

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

- Opportunity to join the team in developing a semi- quantitative method of measuring parasitemia (mainly malarial parasite) in blood of pregnant women (both HIV infected and non) and their infants. Student will be exposed to protocol development, literature search, and laboratory techniques and data analysis. Student must have a background in lab
- Evaluation of cost effective sensitive diagnostic techniques for detection of TB in Nigeria e.g. MODS, MGIT system, and fluorescent based techniques; student will have the opportunity to work in a laboratory at the National TB and Leprosy Center; experience a real outpatient TB clinic and test novel lab techniques in a TB lab. Student will participate in protocol development that will include statistical power calculations, literature search, and data analysis. Student must have a background in lab to ensure that safety and good laboratory techniques are not compromised.

Skills Needed to Fulfill Duties of Project

Student must have a background in lab to ensure that safety and good laboratory techniques is not compromised

Length of Time Needed for Project

2-3 months

Willingness to Mentor Students from Different Fields

Daphene, I would prefer a lab related field? Otherwise the closest would be MPH and Medical. Also mentoring will be provided by Dr. Akintunde and I.

Nursing Opportunities in Nigeria

Name: Mrs. Emilia N. Iwu MSN, APNC (Family Nurse Practitioner)

Degree(s): MSN

Education:

University of Nigeria Teaching Hospital BA 1986 Nursing

Rowan University of New Jersey BS 1997 Nursing

Rutgers University MS 2000 Nursing

Preferred Contact Information:

Tel: +234-9-2340474 Ext. 107

GSM: +234-8065399446

iwue@ihvnigeria.org

International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

- Looking how effective PMTCT cascade work at satellite site/setting

From Doris Duke Grant

- Evaluate quality of HIV-related services rendered at the PHCs by non physician providers using service and client related indicators.
- Assess effectiveness of non-physician clinicians (nurses and community health workers) who will be trained and mentored to assess, monitor, care for, and up-refer clients when appropriate.
- Assess the attitude of physicians at the tertiary institution towards enhanced role for non-physician clinicians in HIV/AIDS care.
- Evaluate impact of perceived stigma, discrimination and travel time on client access to care before and after decentralized ART service.
- Assess the impact of integrating HIV/AIDS treatment and prevention on routine services of PHCs e.g. uptake of malarial and diarrheal disease prevention interventions.

Fogarty AITRP Mentor Completion Form

Name: John Farley and Tepper

Degree(s): MD, MPH

Preferred Contact Information:

email: farley@umbi.umd.edu OR jfarley@peds.umaryland.edu

U.S.: phone: 410-706-8930

Fax: 410-706-0031

Nigeria: office internet phone:410-383-8660 then 500 at the tone, cell:(234)(0)803-502-0602

Education:

Research Interest and Key Publications:

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

Project Title: Assessment of adherence to antiretroviral therapy among HIV-infected children in Nigeria

The trainee will join the research team of a CDC funded pediatric adherence assessment evaluation project. During the summer of 2007, it is anticipated that the project will be focusing on characterizing adherence at three different points of pediatric service in Nigeria in anticipation of using this data to design and carry out an intervention to improve adherence the following year. Adherence assessment methods will include interview with parents, analysis of pharmacy records, and use of electronic medication bottle caps with a time chip that records opening. The trainee will be expected to be posted at project sites for varying periods. He/she will participate in the conduct of focus groups, study visits, data management activities, data analysis, and meeting with the research team to begin planning the intervention phase of the project. There will be some opportunity for clinical observation in pediatric clinic.

Skills Needed to Fulfill Duties of Project

Familiarity with Excel and common PC applications, basic knowledge of biostatistics, strong interpersonal skills and some interviewing experience

Length of Time Needed for Project

Minimum of eight weeks, June-August 2007

Willingness to Mentor Students from Different Fields

Dentistry	Yes <input type="radio"/>	No <input type="radio"/>
MPH /Dual Degree	Yes <input type="radio"/>	No <input type="radio"/>
Law	Yes <input type="radio"/>	No <input type="radio"/>
Medical	Yes <input type="radio"/>	No <input type="radio"/>
Nursing	Yes <input type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>
Public Health	Yes <input type="radio"/>	No <input type="radio"/>
Social Work	Yes <input type="radio"/>	No <input type="radio"/>

Fogarty AITRP Mentor Completion Form

Name: Chester N. Morris

Degree(s): MD MSc

Preferred Contact Information:

morrisc@ihvnigeria.org

Education:

Columbia University, New York-Columbia Presbyterian Hospital, Columbia University College of Physicians and Surgeons, New York, New York, USA.

Infectious disease fellow, 1997-1999

Mayo Clinic, Rochester, Minnesota, USA.

Internal medicine resident, 1994-1997.

University of Toronto, St. Michael's Hospital, Toronto, Ontario, Canada.

Rotating internship, 1990-1991.

University of British Columbia, Vancouver, British Columbia, Canada.

Medical School, 1986-1990, MD 1990.

Graduate Education

London School of Economics, London, England.

Health economics, policy, planning and financing, 1992-1993, MSc 1993.

Undergraduate Education

University of British Columbia, Vancouver, British Columbia, Canada.

Microbiology Major, 1981-1986, BSc 1985.

Research Interest and Key Publications:

Sexual behavior and epidemiology of HIV in Africa. Targeted interventions for HIV in Africa.

Morris CN, Ferguson AG, Sexual and STI treatment seeking behaviour of long distance transport workers in East Africa, Sex Trans Infect, 2006 in press.

Ferguson A G, Morris CN, Mapping transactional sex on the Northern Corridor highway in Kenya., Health & Place, Volume 13, Issue 2, June 2007, 504-19.

Morris CN. Ferguson AG, Estimation of the sexual transmission of HIV in Kenya and Uganda on the trans-Africa highway: the continuing role for prevention in high risk groups, Sex Transm Infect. 2006 Oct;82(5):368-71

Schwandt M, Morris C, Ferguson A, Ngugi E, Moses S, Anal and dry sex in commercial sex work, and relation to risk for sexually transmitted infections and HIV in Meru, Kenya., Sex Transm Infect. 2006 Oct;82(5):392-6.

Ferguson A.G, Morris C, Kariuki C. Using diaries to measure parameters of transactional sex: an example from the Trans-Africa highway in Kenya, Culture, Health and Sexuality, March-April 2006; 8(2):175-185.

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

Opportunity to study correlates of risk for HIV infection in individuals undergoing HIV counseling and testing in Nigeria.

Skills Needed to Fulfill Duties of Project

Basic analytic skills in a statistical package, some knowledge of Access and Excel.

Length of Time Needed for Project

One month in country.

Willingness to Mentor Students from Different Fields

Dentistry	Yes	<input type="radio"/>	No	<input type="radio"/>
MPH /Dual Degree	Yes	<input type="radio"/>	No	<input type="radio"/>
Law	Yes	<input type="radio"/>	No	<input type="radio"/>
Medical	Yes	<input type="radio"/>	No	<input type="radio"/>
Nursing	Yes	<input type="radio"/>	No	<input type="radio"/>
Pharmacy	Yes	<input type="radio"/>	No	<input type="radio"/>
Public Health	Yes	<input type="radio"/>	No	<input type="radio"/>
Social Work	Yes	<input type="radio"/>	No	<input type="radio"/>

Fogarty AITRP Mentor Completion Form

Name: Man Charurat

Degree(s): PhD

Preferred Contact Information:

Education:

PhD, International Health

MS, Infectious disease epidemiology

BS, Molecular biology and Biochemistry

Research Interest and Key Publications:

Acute/Primary HIV infection

Discordant couples

Mother-to-child transmission

International cohort development

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

Assist in establishing and monitoring discordant couples cohort.

Set up procedure to ensure >95% retention in 12 months of follow-up

Develop and/or adapt questionnaires to collect demographics, behavior, and health information

Work with the ACTION Project to set up best practices in service delivery for discordant couples

Follow-up and track seronegative partner for HIV testing

Refer seroconverters to the REACH Project

Skills Needed to Fulfill Duties of Project

Basic understanding and knowledge in HIV/AIDS is a must

Statistical analysis experience highly preferred

Length of Time Needed for Project

3 months

Willingness to Mentor Students from Different Fields

Dentistry	Yes <input type="radio"/>	No <input type="radio"/>	
MPH /Dual Degree	Yes <input type="radio"/>	No <input type="radio"/>	Yes
Law	Yes <input type="radio"/>	No <input type="radio"/>	
Medical	Yes <input type="radio"/>	No <input type="radio"/>	Yes
Nursing	Yes <input type="radio"/>	No <input type="radio"/>	
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>	
Public Health	Yes <input type="radio"/>	No <input type="radio"/>	Yes
Social Work	Yes <input type="radio"/>	No <input type="radio"/>	

Fogarty AITRP Mentor Completion Form

Name: Patrick Dakum

Degree(s): MBBS, MPH

Preferred Contact Information:

dakum@umbi.umd.edu

Education:

MBBS

MPH

Research Interest:

- Policy Gaps in effective scale up of HIV/AIDs Prevention, Care and Treatment.
- Capacity of PHC Centers in delivering treatment and care in Resource Limited Settings
- Barriers to VCT Uptake amongst spouses of HIV infected individuals.
- HIV/AIDS KAP amongst Management staff in selected treatment centres
- Vaccine trial readiness amongst communities
- Availability and use of appropriate guidelines amongst HCW in Managing HIV/AIDS

Brief Description of International Research Project Opportunities for Rotations, Field Experiences and/or Capstones

- Students will have opportunity to review existing policies of different countries, planning tools for interventions in HIV/AIDS and will have in-depth knowledge of the Nigerian HIV/AIDS policies and how they relate to actual services ongoing. There will be opportunity to understand the challenges of PHC and the limitations of services in a resource limited setting. The student must be interested in Health Planning.

Skills Needed to Fulfill Duties of Project

Student must be interested in Policy formulations and Health Planning.

Length of Time Needed for Project

2 months

Willingness to Mentor Students from Different Fields

Dentistry	Yes <input type="radio"/>	No <input type="radio"/>
MPH /Dual Degree	Yes <input type="radio"/>	No <input type="radio"/>
Law	Yes <input type="radio"/>	No <input type="radio"/>
Medical	Yes (x)	No <input type="radio"/>
Nursing	Yes <input type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>
Public Health	Yes (x)	No <input type="radio"/>
Social Work	Yes <input type="radio"/>	No <input type="radio"/>

Name and Degree(s)	Volker Mai, Ph.D. MPH	
Contact Information	Univ. of MD, School of Med. Dept. of Epidemiology and Prev. Med. 10 South Pine St. MSTF 934-B Baltimore, MD 21201 Phone: 410-706-4583 Fax: 410-706-4581 vmai@epi.umaryland.edu	
Education	Master of Public Health (MPH) Quantitative Methods Harvard School of Public Health	2000
	Doctor of Philosophy (PhD) Dept. of Microbiology University of Georgia	1999
	Bachelor of Sciences University of Georgia Major: Biochemistry	1992
	Medical College (part time) Ernst Moritz Arndt Univ. Greifswald, Germany	1986 – 1990
	High School Diploma W. Pieck OS Neubrandenburg, GDR	1985

Research Interest and Key Publications

The main interest of my group is the role of the intestinal microbiota in health and disease. We are studying how changes in intestinal microbiota might be associated with incidence as well as severity of various intestinal diseases that include diarrhea and colorectal cancer. We are particularly interested to study in developing countries how distortions in normal microbiota composition might cause repeated episodes of severe diarrhea that lead to growth shunting and other detrimental effects of normal development.

V. Mai, J.G. Morris. Colonic Bacterial Flora: Changing Understandings in the Molecular Age. *Journal of Nutrition*. 2004;**134**:459-464

V. Mai, C.R. Braden, J.Heckendorf, B. Pironis, J.M.Hirschon. Monitoring of stool microbiota in subjects with diarrhea indicates distortions in its composition. *Clin. Microbiol*. 2006;**44**(12):4550-2

J. Nataro, **V. Mai**, J. Johnson, W.C. Blackwelder, R. Heimer, S. Tirrell, S.E. Edberg, C.R. Braden, J.G. Morris Jr., J.M. Hirshon. Diarrheagenic E. coli in Baltimore and New Haven. *Clinical Infectious Diseases* 2006; **43**(4):402-7

V. Mai, L. H. Colbert, S. N. Perkins, A. Schatzkin, S.D. Hursting. Intestinal Microbiota: A Potential Diet-Responsive Prevention Target in ApcMin mice. *Molecular Carcinogenesis*. 2007; **46**(1):42-8

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data, significant contribution to protocol development, community outreach project, etc.)

We are preparing a study to evaluate the potential of novel molecular techniques to detect various pathogens in diarrhea stools in developing countries. This study requires sample collection and processing on site (Dhaka, Bangladesh and Calcutta, India) and transport of extracted DNA to the US. We already have established collaborations with partners at both sites. Project opportunities include protocol implementation, quality control as well as data management.

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Basic laboratory skills, ability to evaluate protocol implementation, familiarity with data management

Estimated Length of Time Needed for Project in Host Country

2-4 weeks

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dual Degree	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Law	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Medical	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Nursing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Pharmacy	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Public Health	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Social Work	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Name and Degree(s) Rosemarie D.Satyshur ,DNSc.PhD.RN.

Contact Information University of Maryland School of Nursing School of Nursing
Department of Family and Community Health 545c
Office phone# 410-706-4940

Education The Catholic University of America 2006 PhD
The Catholic University of America 1991 DNSc
The Catholic University of America 1984 MSN
Thomas Jefferson University 1981 BSN
Helene Fuld School of Nursing 1976 Diploma

Research Interest and Key Publications

Grandparents Caring for Children – A Global Challenge
Advocacy for Mothers, Children and Families
Grandfamilies Matter: Empowering families of children with special needs
Kinship Care Support
Grandparents and Relatives as caregivers
Child Welfare: Safety , permanency and well being

Maternal Infant Dyadic Adaptation
Breastfeeding in African American Maternal Infant Dyads
Ethical decision making and Maternal Child Health

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data , significant contribution to protocol development , community outreach project, etc.)

I have been invited to become part of an International Coalition addressing the global challenge of grandparents caring for children. I presently act as advisor to the Board for the National Committee for Grandparents for Children's Rights who are one of the sponsors for this effort. I am on the summit planning committee and will be a speaker at this premier event.

The first international international summit of grandparents and other kinship caregivers will be held May, 2007. The goal of the summit is to pool the experiences of kinship caregivers from around the world , define the common ground we share , and develop recommendations to help ensure that children's rights are recognized and legally enforced. Speakers will include leaders from abroad : Canada , new Zealand , Australia , Germany, England and Africa. An international coalition is to be formed based on summit resolutions.

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

To be determined .

Estimated Length of Time Needed for Project in Host Country

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Dual Degree	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Law	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Medical	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Nursing	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Public Health	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Social Work	Yes <input checked="" type="radio"/>	No <input type="radio"/>

Name and Degree(s)

Henry Silverman, MD, MA

Medical Degree

Masters Degree (Philosophy)

Contact Information

10 South Pine Street, Suite 800

Baltimore, MD, 21201

hsilverm@medicine.umaryland.edu

443-562-5143

Education

Medical Degree: Johns Hopkins University, 1978

Master's Degree (Philosophy): Georgetown University, 1995

Research Interest and Key Publications

Health Research Ethics.

Silverman HJ. Ethical considerations of ensuring an informed and autonomous consent in research involving critically ill patients. *Amer J of Respir and Crit Care Med* 1996; 154:582-86.

Silverman HJ, Hull S, Sugarman J. Degree of variability among institutional review boards on approved research practices and informed consent in the context of a multi-center clinical trial. *Critical Care Medicine.* 2001; 29:235-241.

Silverman HJ, Luce JM, Schwartz J. Protecting Decisionally Impaired Subjects In Research: The Need For A Multifaceted Approach. *Am J Resp Crit Care Med.* 2004; 169:10-14.

Miller FG, **Silverman HJ.** The Ethical Relevance of the Standard of Care in the Design of Clinical Trials. *Am J Resp Crit Care Med.* 2004; 169:562-564.

Silverman HJ, Miller FG. Control Group Selection in Critical Care Randomized Controlled Trials Evaluating Interventional Strategies: An Ethical Assessment. *Crit Care Med.* 2004; 32:852-857.

Silverman HJ, Druml C, Lemaire F, Nelson R. The European Union Directive and the protection of incapacitated subjects in research: an ethical analysis. *Intensive Care Medicine.* 2004; 9:1723-1729.

Silverman HJ, Luce JM, Lancken PN, Morris AH, Harabin AL, Oldmixon CF, Thompson BT, Bernard GR, for the NHLBI Acute Respiratory Distress Syndrome Clinical Trials Network. Recommendations for informed consent forms for critical care clinical trials. *Critical Care Medicine.* *Crit Care med.* 2005; 33:867-82.

Silverman HJ. Enhancing research ethics capacity: implications for protection of research subjects, avoiding exploitation and achieving global health. *Middle East Fertility Society Journal.* 2005; 10:105-109.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones

Project in Egypt involving research ethics to be developed with mentor.

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Estimated Length of Time Needed for Project in Host Country

To be determined.

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Dual Degree	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Law	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Medical	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Nursing	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Public Health	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Social Work	Yes <input checked="" type="radio"/>	No <input type="radio"/>

Name and Degree(s) Hala Azzam, PhD, MPH

Contact Information Howard Hall, Room 103B

660 West Redwood Street

Baltimore, MD 21201-1596

Tel (410) 706-2079

Fax (410) 706-8013

email:hazzam@epi.umaryland.edu

<http://medschool.umaryland.edu/ghrc/index.html>

Education

MPH, Johns Hopkins University, 2001-2002

Ph.D. in Anatomy & Cell Biology, Georgetown University, 1987-1993

B.Sc. in Molecular and Cell Biology, King's College, London University 1983-1985

Research Interest and Key Publications

Role of infectious diseases in cancer, and complementary and alternative medicine use. .

Publication:

1. **Azzam, H.S. et al.** *Synergistic effects of HCV and Shistosomiasis on hepatocellular carcinoma. In preparation for resubmission.*
2. **Azzam, H.S. et al.** *Lifestyle and colorectal cancer screening in Maryland. In preparation.*
3. **Azzam H.S.** et al. Natural Products and chronic hepatitis C. *Liver International*, 27: 17-21, 2007
4. **Azzam H.S.**, De Jarnette J., Huang, K., Sommers, C., Grinberg, A., Emonds, R., Lui, K. and Love. P. E. Fine tuning of TCR signaling by CD5. *J Immunol.* 166: 5464-72, 2001.
5. **Azzam, H.S.**, Grinberg, A., Shen, H., Lui, K., Shores, E.W. and Love, P.E. CD5 expression is developmentally regulated by T cell receptor (TCR) signals and TCR avidity. *J. Exp. Medecine*, 188:1-11, 1998.
6. Thompson, E.W., Yu, M., Bueno, J., Jin, L., Maiti, S.N., Palao-Marco, F.L., Pulyaeva, H., Tamborlane, J.W., Tigari, R., Wapnir, I., and **Azzam, H.S.** Collagen induced MMP-2 activation in human breast cancer. *Breast cancer Res._Treat*, 31: 357-370, 1994.
7. **Azzam, H.S.**, Arand, G., Lippman M.E. and Thompson, E.W. Association of MMP-2 activation potential with metastatic progression in human breast cancer cell lines independent of MMP-2 production. *J. Natl. Cancer Inst.*, 85(21): 1758-1764, 1993.
8. Bae, S.N., Arand, G., **Azzam, H.**, Pavasant, P., Torri, J., Frandsen, T.L., and Thompson, E.W. Molecular and cellular analysis of basement membrane invasion by human breast cancer cells in matrigel-based *in vitro* assays. *Breast Cancer Res. Treat.* 24: 241-255, 1993.
9. **Azzam, H.S.** and Thompson, E.W. Collagen-induced activation of the Mr 72,000 type IV collagenase in normal and malignant human fibroblastoid cells. *Cancer Res.*, 52: 4540-4544, 1992.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones

1. Literature review of traditional medicine use in developing nations and interface with HIV treatment
2. Survey protocol development for traditional medicine use in HIV/AIDS patients
3. Possible projects in India and Vietnam

Skills Needed to Fulfill Duties of Project

Ability to critically think and synthesize information

Good scientific writing skills

Estimated Length of Time Needed for Project in Host Country

4-6 weeks minimum for travel abroad

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dual Degree	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Law	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Medical	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Nursing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Pharmacy	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Public Health	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Social Work	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Name and Degree(s) Linda M. Kaljee, Ph.D.

Contact Information: Phone 410-706-0204; email: lkaljee@peds.umaryland.edu

Education:

- | | | |
|------|--|---------------------|
| 1978 | B.A., University of Maryland College Park | Major: Anthropology |
| 1988 | M.A.A., University of Maryland College Park | Major: Anthropology |
| 1996 | Ph.D., American University, Washington, D.C. | Major: Anthropology |

Research Interest and Key Publications

Adolescent Reproductive Health; Public Health in Viet Nam; Socio-behavioral Research for Vaccine Trials; Healthcare Utilization

1. Stanton, B.#., X. Li*, M. Black, S. Feigelman, I. Ricardo, J. Galbraith, L. Kaljee and R. Nesbit 1995 Development of a culturally, theoretically, and developmentally based survey instrument for assessing risk behaviors among inner city African American early adolescents. *AIDS Education and Prevention* 7: 160-177.
2. Kaljee, L.*, I. Ricardo, B. Stanton#, and T. Whitehead. 1995 Urban African American adolescents and their parents: perceptions of violence within and against their communities. *Human Organization* 54(4): 375-384.
3. Galbraith, J., I. Ricardo, B. Stanton#, M. Black, S. Feigelman, and L. Kaljee 1996 Challenges and rewards of involving community in research: an overview of the "Focus on Kids" HIV risk reduction program. *Health Education Quarterly* 23(3): 383-394.
4. Stanton, B.#, X. Li, L. Cottrell, L. Kaljee 2001 Early initiation of sex, drug-related behaviors, and sensation-seeking among urban, low income, African American adolescents. *Journal of the National Medical Association* 93(4): 129-138.
5. Howard D#. L. Kaljee, L. Jackson* 2002. Urban African American adolescents' perceptions of community violence. *American Journal of Health Behavior* 26 (1): 56-67.
6. Howard D#., L. Kaljee, L. Rachuba*, S. Cross. 2003 Coping with youth violence: assessments by minority parents in public housing. *American Journal of Health Behavior* 27 (5): 483-92.
7. Zhang, H., B. Stanton, X. Li#, R. Mao, Z. Sun, L. Kaljee, M. Clemens, S. Ravendran, M. Qu. 2004 Perceptions and attitudes regarding sex and condom use among Chinese college students: A qualitative study. *AIDS and Behavior* 8(2): 105-117.
8. Stanton#, B., M. Cole, J. Galbraith*, X. Li, S. Pendleton, C. Harris, L. Cottrel, S. Marshall, Y. Wu, L. Kaljee 2004. A randomized trial of a parent intervention: parents can make a difference in long term adolescent risk behaviors, perceptions, and knowledge. *Archives of Pediatric and Adolescent Medicine* 158(10): 947-955.
9. Kaljee, L.#, B. Genberg, T.T. Minh, L.H. Tho*, L.T.K. Thoa, B. Stanton. 2004. Alcohol use and risk behaviors among rural adolescents in Khanh Hoa Province Viet Nam. *Health Education Research*: 20 (1): 71-30.
10. Kaljee, L., R. Pack, A. Pach, A. Nyamete, B. Stanton. 2004. Sociobehavioral research methods for

introduction of vaccine in the Diseases of the Most Impoverished project. *Journal of Health, Population, and Nutrition* 22 (3): 293-303.

11. Kaljee, L. B. Genberg, L. von Seidlein, V.D. Thiem, D.G. Canh, L.H. Tho, T.T. Minh, L.T.K. Thoa, D.D. Trach 2004. Issues of acceptability and accessibility of a shigellosis vaccine, Nha Trang, Viet Nam. *Journal of Health, Population, and Nutrition* 22: 150-158.
12. Kaljee, L., V. Thiem, L. Seidlein, B. Genberg, D. Canh, L.H. Tho, T.T. Minh, L.T.K. Thoa, J. Clemens, D.D. Trach. 2004. Health care utilization for diarrhoea and dysentery in actual and hypothetical cases, Nha Trang, Viet Nam: Options and Choices. *Journal of Health, Population, and Nutrition* 22: 139-149
13. Kaljee, L.#. B. Genberg, R. Riel, M. Cole, L.H. Tho*, L.T.K. Thoa, B. Stanton, X. Li, T.T. Minh 2005. Effectiveness of a theory based risk-reduction HIV prevention program for rural Vietnamese adolescents. *AIDS Education and Prevention* 17(3): 185-199.
14. Chen, X., B. Stanton, X. Wang, A. Nyamette, A. Pach, L. Kaljee, R. Pack, L. von Seidlein, J. Clemens, Y. Gong, R. Mao. 2006. Differences in perception of dysentery and enteric fever and willingness to receive vaccines among rural residents in China. *Vaccine* 24(5): 561-571.
15. Pack, R., Y. Wang, A. Singh, L. von Seidlein, A. Pach, L. Kaljee, P. Butraporn, G. Youlong, L. Blum, Z. Bhutta, S.S. Santoso, D.D. Trach, I. Waluyo, A. Nyamete, J. Clemens, B. Stanton 2006. Willingness to be vaccinated against shigella and other forms of dysentery: a comparison of three regions in Asia. *Vaccine* 24(4): 485-494.
16. Yang, H., Stanton, B#., Cottrel, L., Kaljee, L., Galbraith, J., Cole, M., Harris, C. 2006 Parental awareness of adolescent risk involvement: Implications of overestimates and underestimates. *Journal of Adolescent Health* 39(3): 353-361.
17. Kaljee, L. Pham, V., Son, N.D., Hoa, N.T., Thiem, V.D., Canh, D.G., Thoa, L.T.K., Ali, M., Ochiai, R.L., Danovaro-Holliday, M.C., Acosta, C., Stanton, B., Clemens, J. 2007. Trial participation and vaccine desirability for Vi polysaccharide typhoid fever vaccine in Hue City, Viet Nam. *Tropical Medicine and International Health* 12(1): 25-36.
18. Kaljee, L., Green, M., Riel, R., Lerdboon, P., Tho, L.T., Thoa, L.T.K., Minh, T.T. 2007. Sexual stigma, sexual behaviors, and abstinence among Vietnamese adolescents: Implications for risk and protective behaviors for HIV, STIs, and unwanted pregnancy. *Journal of the Association of Nurses in AIDS Care* (in press).

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data , significant contribution to protocol development , community outreach project, etc.)

Statistical data analysis on cross-sectional survey data – reproductive health and Vietnamese adolescents

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Statistical analysis (including regression analysis)

Estimated Length of Time Needed for Project in Host Country

N/A

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dual Degree	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Law	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Medical	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Nursing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Pharmacy	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Public Health	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Social Work	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Name and Degree(s)
Contact Information

Mamuka Kotetishvili, PhD
Assistant Professor of Epidemiology and Preventive Medicine
Division of Foodborne and Emerging Pathogens
Department of Epidemiology and Preventive Medicine
University of Maryland School of Medicine
10 South Pine St. MSTF-959A
Baltimore, MD 21201 USA
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1995	Ph.D.	(Candidate of Science) in Biology (Microbiology). Award Institute: Kanchaveli Research Institute of Plant Protection, Tbilisi, Georgia. Conferred by: Board of Academic Experts, Committee for Science and Technology of the Republic of Georgia.
1981-1986	MS.	Zoo-Veterinarian Institute of Georgia. Major Specialty: Zoology

Research Interests

Understanding the molecular genetic mechanisms underlying the emergence and global transmission of multidrug-resistant (MDR) and extensively drug-resistant (XDR) *M. tuberculosis*

Determining transmission routes of foodborne pathogens (*Salmonella*, *L. monocytogenes*, *E. coli*, *Campylobacter*) in food and human infections

Determining the genetic relationships between *Y. enterocolitica*-like species and highly pathogenic yersiniae (including the select agent *Y. pestis*) and the evolutionary mechanisms of their divergence

Determining the evolutionary divergence mechanisms and relatedness of *V. cholerae* epidemic serogroups (O1, O139), and understanding virulence factors contributing to the emergence of this species pathogenic clones with epidemic potential

Determining MDR and/or XDR genotypes of the above agents and their population structures

Key Publications

1. Harris, A. D., **M. Kotetishvili**, S. Shurland, J. A. Johnson, J. G. Morris, L. Nemoy, J. K. Johnson. How Important is Patient-to-patient Transmission in Extended Spectrum β -Lactamase (ESBL) *Escherichia coli* Acquisition. American Journal of Infection Control. 2007 Mar;35(2):97-101.
2. **Kotetishvili, M.**, A. Kreger, G. Wauters, J. G. Morris, Jr., A. Sulakvelidze, O. C. Stine. Multilocus Sequence Typing for Studying Genetic Relationships Among *Yersinia* species. J Clin Microbiol. 2005

Jun;43(6):2674-84.

3. Nemoy, L., **M. Kotetishvili**, J. Tigno, A. Keefer-Norris, A. D. Harris, E. N. Perencevich, J. A. Johnson, D. Torpey, A. Sulakvelidze, , J. G. Morris Jr., O. C. Stine. Multilocus Sequence Typing (MLST) vs. Pulsed Field Gel Electrophoresis (PFGE) for the Characterization of Extended Spectrum Beta Lactamase (ESBL) Producing *E. coli* isolates. J Clin Microbiol. 2005 Apr;43(4):1776-81.
4. Revazishvili, T., **M. Kotetishvili**, O. C. Stine, A. Kreger, , J. G. Morris Jr., and A. Sulakvelidze. Comparative Analysis of Multilocus Sequence Typing and Pulsed-Field Gel Electrophoresis for characterizing *Listeria monocytogenes* strains isolated from environmental and clinical sources. J. Clin. Microbiol. 2004. Jan; **42**(1): 276-85.
5. **Kotetishvili, M.**, O. C. Stine, Y. Chen, A. Kreger, A. Sulakvelidze, S. Sozhamannan and J. G. Morris Jr. Multilocus Sequence Typing has better discriminatory ability for typing *Vibrio cholerae* than does Pulsed Field Gel Electrophoresis, and it clusters epidemic *V. cholerae* serogroups in a distinct genetic cluster. J. Clin. Microbiol. 2003. May. **41**:2191-6.
6. Li M., **Kotetishvili, M.**, Y. Chen, and S. Sozhamannan. Comparative genomic analyses of the *Vibrio* pathogenicity (VPI) and Cholera Toxin prophage (CTX ϕ) regions in nonepidemic serogroup strains of *Vibrio cholerae*. Applied Environmental Microbiology. 2003. Mar. **69**:1728-38.
7. **Kotetishvili, M.**, O. C. Stine, A. Kreger, , J. G. Morris Jr., and A. Sulakvelidze. Multilocus Sequence Typing for characterization of clinical and environmental *Salmonella* strains. J. Clin. Microbiol. 2002. May. **40**:1626-1635.
8. Turabelidze, D., **M. Kotetishvili**, A. Kreger, J. G. Morris Jr., and A. Sulakvelidze. Improved Pulsed-Field Gel Electrophoresis for typing vancomycin-resistant enterococci. J. Clin. Microbiol. 2000. Nov. **38**:4242-4245.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data , significant contribution to protocol development , community outreach project, etc.)

Infections caused by *M. tuberculosis* (MTB), remain a major global health challenge. The growing tuberculosis (TB) pandemic has been acutely exacerbated by the emergence of MDR and XDR strains of this species. The MDR and XDR MTB genotypes, their population structures as well as their mechanisms of resistance to the first and/or the second-line antibiotics and routes of global transmission are not clearly understood and need to be determined. We hypothesize that developing countries with a high incidence of TB infections serve as a key sources for the emergence and global transmission of these organisms. We also hypothesize that horizontal gene transfer (HGT) can be an additional genetic mechanism contributing to the evolutionary divergence and the emergence of the MDR and XDR MTB genotypes . In order to clarify these issues, we propose to genetically and phenotypically characterize MTB populations from different geographic regions, the Republic of Georgia, Bangladesh, Chile and the United States. We will apply different molecular typing methods, restriction fragment length polymorphism (RFLP), single nucleotide polymorphism (SNP) profile analyses and Multi-Locus Sequence Typing (MLST) scheme developed by us, to (i) identify MDR and XDR genotypes in these MTB populations, (ii) determine their genetic relatedness and and population structures. Ultimately a worldwide MLST database for MTB would allow precise and reliable inter-laboratory comparisons of genotyping data internationally. In addition, drug susceptibility testing (DST) of the MTB isolates from the above regions for rifampin, streptomycin, isoniazid, ethambutol and pyrazinamide will be performed. This will be followed by the DNA sequencing of the genetic loci involved in MTB resistance to the above antibiotics. The correlation of the phenotypic and genotypic data that will be generated in the proposed study will allow us to determine and/or to gain important insights into (i) the mechanisms of drug resistance in MDR and XDR MTB genotypes, (ii) their global population structures, and (iii) their intra- and/or inter-continental transmission.

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Students are required to have prior knowledge in microbiology, human pathogenic bacteria, the basics of microbial genetics and epidemiology.

Computer skills with working in Microsoft Word, Excel and other basic programs with PC and/or Macintosh are also required.

Estimated Length of Time Needed for Project in Host Country

2-8 months

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Dual Degree	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Law	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Medical	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Nursing	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Pharmacy	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Public Health	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Social Work	Yes	No <input type="checkbox"/>

Name and Degree(s) Paige Johnson, MSN, CRNP

Contact Information

655 W Lombard, Room 562

Baltimore, MD 21201

pjohn004@son.umaryland.edu

410-706-4149

Education

Post-masters Nursing Education, University of Maryland, 2006

Post-masters Pediatric Nurse Practitioner, University of Texas-Houston, 2000

Masters of Nursing, University of Texas-Houston, 1999

Bachelors of Nursing, University of Kansas, 1995

Research Interest and Key Publications

Adolescent Girls

International Health

Public Health

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data , significant contribution to protocol development , community outreach project, etc.)

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Estimated Length of Time Needed for Project in Host Country

Willingness to Mentor Students From Different Fields

Dentistry Yes No

Dual Degree Yes No

Law Yes No

Medical Yes No

Nursing	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>
Public Health	Yes <input type="radio"/>	No <input type="radio"/>
Social Work	Yes <input type="radio"/>	No <input type="radio"/>

Name and Degree(s)

Christopher V Plowe MD MPH

Contact Information

Professor and Chief, Malaria Section
Center for Vaccine Development
University of Maryland School of Medicine
685 West Baltimore Street, HSF1-480
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Education

1982 BA in Philosophy, Cornell University College of Arts & Sciences
1986 MD, Cornell University School of Medicine
1991 MPH in Tropical Medicine, Columbia University School of Public Health

Research Interest and Key Publications

In the Malaria Section we work on malaria drug resistance, molecular epidemiology, molecular evolution, pathogenesis, HIV-malaria interactions and clinical trials of malaria drugs and vaccines. We do laboratory and field research on the molecular mechanisms and molecular epidemiology of resistance to antimalarial drugs, particularly the antifolate drugs and chloroquine. Plasmodium falciparum malaria resistant to these drugs is already widespread in much of South America and Asia, and chloroquine resistance is responsible for large increases in malaria morbidity and mortality in Africa. Our team has developed rapid molecular assays for parasite mutations that cause the parasite to be resistant to specific drugs for use as public health tools for monitoring resistance in malaria-endemic areas. In collaboration with colleagues at the University of Mali, we have developed a field research site in the Dogon Country of Mali. This field station is the site of studies of drug resistance, pathogenesis and immunology of severe malaria, and clinical trials of malaria vaccines. In Malawi we work on clinical trials of malaria drugs, molecular epidemiology of drug resistant malaria and the impact of antimicrobial use on antimalarial drug resistance in persons living with HIV. We recently reported that chloroquine sensitive malaria had returned to Malawi 12 years after chloroquine was withdrawn. At the Center for Vaccine Development in Baltimore, we study the impact of genetic diversity on malaria drug and vaccine efficacy using high-throughput genotyping and mathematical modeling. We work with scientists in Africa, Asia and South America to train junior scientists and build research capacity in malaria-endemic countries.

Laufer M, Thesing P, Eddington N, Masonga R, Dzinjalama F, Takala S, Taylor T, Plowe C. Return of chloroquine anti-malaria efficacy in Malawi. *New England Journal of Medicine* 355:1959-66, 2006.

Laufer M, van Oosterhout J, Thesing P, Thumba F, Zijlstra E, Graham S, Taylor T, Plowe C. Impact of HIV-associated immunosuppression on malaria infection and disease in Malawi. *Journal of Infectious Diseases* 193:872-8, 2006.

Thera M, Sehdev P, Coulibaly D, Traore K, Garba M, Cissoko Y, Kone A, Guindo A, Dicko A, Beavogui A, Djimde A, Lyke K, Diallo D, Doumbo O, Plowe C. Impact of trimethoprim-sulfamethoxazole prophylaxis on falciparum malaria infection and disease. *Journal of Infectious Diseases* 192:1823-9, 2005.

Plowe C. Antimalarial drug resistance in Africa: strategies for monitoring and deterrence. *Current Topics in Microbiology and Immunology* 295:55-79, 2005.

Djimde A, Dolo A, Ouattara A, Diakite S, Plowe C, Doumbo O. Molecular diagnosis of resistance to antimalarial drugs during epidemics and in war zones. *Journal of Infectious Diseases* 190:1853-855, 2004.

Kublin J, Cortese J, Njunju E, Mukadam R, Wirima J, Kazembe P, Djimde A, Kouriba B, Taylor T, Plowe C. Reemergence of chloroquine-sensitive *Plasmodium falciparum* malaria following cessation of chloroquine use in Malawi. *Journal of Infectious Diseases* 187:1870-1875, 2003.

Cortese J, Caraballo A, Contreras C, Plowe C. Origin and dissemination of *Plasmodium falciparum* drug-resistance mutations in South America. *Journal of Infectious Diseases* 186:999-1006, 2002.

Djimde A, Doumbo O, Cortese J, Kayentao K, Doumbo S, Diourte Y, Dicko A, Coulibaly D, Su X, Nomura T, Fidock D, Wellems T, Plowe C. A molecular marker for chloroquine-resistant falciparum malaria. *New England Journal of Medicine* 344:299-302, 2001.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones

Data analysis, field work and/or laboratory research on the following studies:

- Placebo-controlled trial of daily trimethoprim-sulfamethoxazole: Impact on antifolate-resistant malaria and time to requiring anti-retroviral therapy in Malawian adults living with HIV
- Predictors of understanding of informed consent in Malawian subjects within the context of a randomized controlled drug efficacy trial
- A longitudinal study of chloroquine as monotherapy or in combination with artesunate, azithromycin or atovaquone-proguanil to treat malaria in children in Blantyre, Malawi
- Randomized, controlled, dose escalation Phase 1 clinical trial to evaluate the safety and immunogenicity of WRAIR's AMA-1 malaria vaccine (FMP2.1) adjuvanted in GSKBio's AS02A vs. rabies vaccine in 1-6 year old children in Bandiagara, Mali
- Randomized, controlled Phase 2 clinical trial to evaluate the safety, immunogenicity and efficacy of WRAIR's AMA-1 malaria vaccine (FMP2.1) adjuvanted in GSKBio's AS01E vs. rabies vaccine in 1-6 year old children in Bandiagara, Mali

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NOTE: Will consider all fields but medicine, public health and pharmacy will be most appropriate for these research projects
Dual Degree	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Law	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Medical	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Nursing	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Pharmacy	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Public Health	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Social Work	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Name and Degree(s)

Contact Information

Raju Varghese, School of Social Work

410-706-5107

Adm. Asst. Ms. Janice Hicks

Jhicks@ssw.umaryland.edu

410-706-5102

Education: M.A., M.S.W., Ed. D., M.P.H.

Research Interest and Key Publications:

Small groups and individual and social change

International practice

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones:

Community education, disaster relief

Can assist students in developing projects in mental health areas thru Rajajgri College of Social Sciences, Kerala, India.

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

Estimated Length of Time Needed for Project in Host Country: about three months

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input type="radio"/>	No <input type="radio"/>
Dual Degree	Yes <input type="radio"/>	No <input type="radio"/>
Law	Yes <input type="radio"/>	No <input type="radio"/>
Medical	Yes <input type="radio"/>	No <input type="radio"/>
Nursing	Yes <input type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input type="radio"/>	No <input type="radio"/>
Public Health	Yes <input checked="" type="radio"/> No <input type="radio"/>	
Social Work	Yes <input checked="" type="radio"/>	No <input type="radio"/>

Name and Degree(s): Samer El-Kamary, MD, MPH
Contact Information: selkamar@epi.umaryland.edu or 410-706-2228

Education

MB,ChB (MD equivalent), Alexandria University School of Medicine
MPH, Johns Hopkins Bloomberg School of Public Health
Pediatrics, Board Certified

Research Interest and Key Publications

- Epidemiology of infectious diseases, particularly viral hepatitis
- Pediatric infectious disease
- Health research ethics
- Clinical trials
- Zakaria S, Fouad R, Shaker O, Zaki S, Hashem A, El-Kamary SS, Esmat G, Zakaria S. Changing patterns of acute viral hepatitis at a major urban referral center in Egypt. Clin Infect Dis. 2007 Feb 15;44(4):e30-6. Epub 2007 Jan 17.
- El-Kamary SS, Higman SM, Fuddy L, McFarlane E, Sia C, Duggan AK. Hawaii's healthy start home visiting program: determinants and impact of rapid repeat birth. Pediatrics. 2004 Sep;114(3):e317-26.
- El-Kamary SS, Serwint JR, Joffe A, Santosham M, Duggan AK. Prevalence of hepatitis C virus infection in urban children. J Pediatr. 2003 Jul;143(1):54-9.
- Gebo KA, Herlong HF, Torbenson MS, Jenckes MW, Chander G, Ghanem KG, El-Kamary SS, Sulkowski M, Bass EB. Role of liver biopsy in management of chronic hepatitis C: a systematic review. Hepatology. 2002 Nov;36(5 Suppl 1):S161-72. Review.
- Gebo KA, Chander G, Jenckes MW, Ghanem KG, Herlong HF, Torbenson MS, El-Kamary SS, Bass EB. Screening tests for hepatocellular carcinoma in patients with chronic hepatitis C: a systematic review. Hepatology. 2002 Nov;36(5 Suppl 1):S84-92. Review.
- Gebo KA, Jenckes MW, Chander G, Torbenson MS, Ghanem KG, Herlong HF, Sulkowski MS, El-Kamary SS, Harris KA, Guedelhoefer OC, Bass EB. Management of chronic hepatitis C. Evid Rep Technol Assess (Summ). 2002 Jun;(60):1-7.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones

Opportunities for student participation will be available after February 2008.

Participants will have the opportunity to participate in epidemiological research in Egypt. They will have the opportunity to observe and participate in field-based research in Egyptian villages, cities and medical institutions. There are also opportunities for those with wet-lab experience in virology, immunology and molecular biology. Clinicians, can (if requested) be placed as observers in local clinical institutions.

The student will also be expected to teach some basic topics to our research collaborators in Egypt, and can give short talks and one-on-one assistance in epidemiology, biostatistics, scientific writing and utilization of academic software such as EndNote, SPSS, SAS, Stata (if possible). Occasionally, advanced skills in using Excel, Access and Powepoint may be desirable

Skills Needed to Fulfill Duties of Project

Basic statistics and/or data management skills
Basic epidemiological skills
Good scientific writing skills
Good teaching skills

Estimated Length of Time Needed for Project in Host Country

Four to eight weeks

Willingness to Mentor Students From Different Fields

Dentistry	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Dual Degree	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Law	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Medical	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Nursing	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Pharmacy	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Public Health	Yes <input checked="" type="radio"/>	No <input type="radio"/>
Social Work	Yes <input checked="" type="radio"/>	No <input type="radio"/>

Name and Degree(s) Carolyn Waltz, RN, PhD, FAAN

Contact Information School of Nursing

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Email : cwaltz@son.umaryland.edu

Education BSN, University of Maryland, School of Nursing
MS, Nursing, Community Health Nursing Specialty, University of Maryland
PhD, Education, specialization in Curriculum, Instruction, Research, Evaluation, and
Measurement methods, University of Delaware

Research Interest and Key Publications Research , evaluation and measurement methods
Evidence Based Practice
More than 60 publications in above areas
Most recent key publication: Waltz, CF, Strickland, OL, and
Lenz, ER, Measurement in Nursing and Health Research
(2005) NY: Springer Publishing Co.

Brief Description of International Project Opportunities for Rotations, Field Experiences and/or Capstones (e.g. opportunity to study drug adherence in x country, or perform data analysis on international data , significant contribution to protocol development , community outreach project, etc.)

Professor and Director of International Activities , School of Nursing where we have long standing collaborative relationships worldwide. Two areas where there is currently a lot of activity include: EBP project in collaboration with Seoul National University, South Korea and project with Dundee University, Scotland and other schools worldwide, Virtual Nursing School (IVINURS) project to develop and test a repository of re useable learning objects

Skills Needed to Fulfill Duties of Project

(e.g. basis statistics skills, ability to analyze data, etc....)

basic understanding of research and measurement, computer skills

Estimated Length of Time Needed for Project in Host Country

Both projects are ongoing

Willingness to Mentor Students From Different Fields

Dentistry	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Dual Degree	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Law	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Medical	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Nursing	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Pharmacy	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Public Health	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
Social Work	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>