

Curriculum Vitae

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RESEARCH and PROFESSIONAL INTERESTS

- Landscape ecology of social-ecological networks and its effects on disease and health
- Ecosystem health and ecosystem services and policy applications
- Participatory methodologies and mixed methods
- Communicating scientific findings to the public and science-based advocacy
- Agriculture/wildlife/environment interactions over space and time in rural communities, including wildlife-livestock conflict and zoonotic and vector-borne diseases

EDUCATION

Cornell University *Ithaca, NY*

Expected: 2024

- PhD Student, Field of Natural Resources

Tufts University – Cummings School of Veterinary Medicine *Grafton, MA* August 2012

- Master of Science in Conservation Medicine
- Case Study: Applying Participatory Approaches in Conservation Medicine: An Evaluation of Effective Methods and a Case Study with Anthrax

Macalester College *Saint Paul, MN*

May 2007

- Bachelor of Arts in Biology
- Senior Capstone: The Wildlife/Livestock Disease Interface: A Case Study in the Ngorongoro Conservation Area, Tanzania

WORK EXPERIENCE

Tufts University *Moroto, Uganda* Sept 2017 - 2019

Site Coordinator for Karamoja – Thermostable PPR Vaccine Project

“Pestes des Ruminants Vaccine Associate Award,” in the Feed the Future Innovation Lab for Livestock Systems at the University of Florida

- Assure data collection completion, storage according to data management plan
- Provide feedback on data collection and monitoring tools and plans
- Liaise with project partners on-site to build relationships and monitor progress
- Provide day-to-day coordination and supervision of project activities

Tufts University *Grafton, MA* Mar 2016 – Sept 2017

One Health Fellow

- Build One Health competencies into health delivery curricula for the University of Global Health Equity, Kigali, Rwanda

- Write One Health teaching case studies (Rift Valley Fever, Asian Vulture Crisis)
- Coordinate and facilitate strategic planning for a One Health Collaborative between Tufts University, the University of Global Health Equity, and the University of Rwanda Nyagatare
- Administration and coordination as needed to support related activities

Pollinator Partnership *Asheville, NC* May 2015 - Mar 2016

Field Research Intern

- Collect observational plant – pollinator interaction data at US Bee Buffer sites
- Collect photographically recorded data at US Bee Buffer sites
- Interview farmers regarding Bee Buffer Program and sites
- Manage and transfer data
- Design Bee Buffer specific plant field guide for future interns

Interstate Postgraduate Medical Association *Madison, WI* Dec 2010 – Mar 2016

Data Analyst / Research Assistant – on contract

- Data analysis of evaluations from continuing medical education seminars
- Background and funding research for project development
- Survey generation and management on SurveyMonkey

Charlotte Street Animal Hospital *Asheville, NC* Aug 2012 – June 2015

Veterinary Assistant

- Prepare patients/clients for veterinary assessment
- Assist exams and treatment; restraint, sedation, recovery, physical rehabilitation
- Assist technicians and veterinarians with surgery under anesthesia and sedation
- Perform laboratory tests: parasitology, antibody tests, blood work, urinalysis
- Manage donated medications inventory

COMMUNITY-BASED AND ADVOCACY EXPERIENCE

RESULTS *Washington D.C. and Asheville, NC* May 2015 - Mar 2016

Global Health Assistant

- Enhance grassroots data tracking and analysis, especially geospatial analysis
- Support grassroots community education, outreach, and media liaison efforts
- Support development of national and local grassroots partnerships

USDA-Forest Service Southern Station *Asheville, NC* August 2015-2016

Eastern Forest Environmental Threats Assessment Center

Volunteer Research Assistant under Lazarus Pomara, PhD

- Summarize literature on ecosystem services' interaction with human landscapes, via harvested species, forest carbon, landscape values, and water/soils
- Background research and data management for spatial data atlas
- Authored introductory and educational material for the Appalachian Landscape Conservation Cooperative website: <https://applcc-ecosystemservices.org/>

Partners In Health Engage Asheville, NC

Aug 2013 - Mar 2016

Team Coordinator (Volunteer)

- Coordinate and lead a chapter of a grassroots movement for health equity and global health that partners with other local organizations.
- Partner with other local advocacy and health equity organizations
- Provide volunteer internships/community service for students at University of North Carolina Asheville.
- Published an editorial in the Asheville Citizen Times in May 2014: "Modest Investment Can Make a Major Difference".
- Blog: www.pihsengageasheville.wordpress.com

US Peace Corps Morocco Ouled Ali, Morocco

Mar 2008 - May 2010

Environmental Education Volunteer**Basic volunteer duties**

- Environmental education on local/regional issues such as deforestation, erosion, overgrazing
- Attained certification of Advanced-Mid in Tamazight (Berber), beginner Arabic
- Cross-cultural exchange
- Facilitate environmental sustainability through participatory alternative livelihood projects in line with Millennium Development Goals.

Project preparation and capacity building

- Assisted school teachers to apply to fund an environment and science club and design sample club sessions
- Held a multi-village trash pick-up and disposal awareness event
- Preparations with women's group to apply for USAID funding for a women's center; capacity building, community negotiations, and networking with other associations and a governmental ministry to furnish women's center for weaving and honey production
- Girl's health and exercise club – founding and educational materials
- Worked at an English immersion camp as an environmental educator
- Beginning English classes at local school, independent tutoring with youth.

Completed Projects

- Taught Women's Wellness Workshop environmental, nutrition, and exercise
- Improved water supply system for semi-nomadic herders and their flocks in "Thirsty Valley" with Small Project Assistance USAID grant
- Privately funded repair of village irrigation system

PUBLICATIONS and PRESENTATIONS

Nkamwesiga J., Coffin-Schmitt J., Ochwo S., Mwiine F.N., Palopoli A., Ndekezi C., Isingoma E., Nantima N., Nsamba P., Adiba R., Hendrickx S., Mariner J.C. 2019. Identification of

Peste des Petits Ruminants Transmission Hotspots in the Karamoja Subregion of Uganda for Targeting of Eradication Interventions. **Frontiers in Veterinary Science**, (129) 221, ISSN 2297-1769, DOI 10.3389/fvets.2019.00221.

<https://www.frontiersin.org/article/10.3389/fvets.2019.00221>

Coffin-Schmitt, J.L., Okello, D., Isingoma, E., Adiba, R., Hendrickx, S., Mariner, J.C. 2018. Transmission patterns of *Peste des Petits Ruminants* in the Karamoja region of Uganda. Page 74; **The 15th International Symposium of Veterinary Epidemiology and Economics - Abstract Book.** http://isvee.net/wp-content/uploads/2018/10/ISVEE15_Abstract-BOOK.pdf

Coffin-Schmitt, J.L., Rhatigan, J., and Amuguni, J.H. 2018. A Forgotten Viral Hemorrhagic Fever: The Uganda 2016 Outbreak. Educational Case Studies - University of Global Health Equity Press.

Coffin-Schmitt, J.L., Rhatigan, J., and Amuguni, J.H. 2018. The Asian Vulture Crisis: Losing a Key Scavenger Guild. University of Global Health Equity Press.

Coffin, J. L., J. H. Amuguni, P. Drobac, S. Trent, and B. Naughton. 2016. A Model for Integrating One Health into Health Care Delivery Training: The University of Global Health Equity in Rwanda. Pages S7–S145 in EcoHealth; **Abstracts - International One Health EcoHealth Congress 2016.**

Coffin, J.L., Monje, F., Asiimwe-Karimu, G., Amuguni, J., Odoch, T. 2015. A One Health, participatory epidemiology assessment of anthrax (*Bacillus anthracis*) management in Western Uganda. **Social Science & Medicine**, (129) 44-50, ISSN 0277-9536, <http://dx.doi.org/10.1016/j.socscimed.2014.07.037>.

Guest Lecturer at Tufts University – MSc Conservation Medicine Mar 2014, Fall 2016
Introduction to Participatory Epidemiology:

- Philosophy of participatory work.
- Examples of participatory techniques and exercises and their use.
- Participatory specific biases - management and avoidance strategies.
- Examples of evaluation and analysis strategies.

Coffin, J. and Ali, N.S. 2013. Glossary of participatory epidemiology terms. Nairobi, Kenya: International Livestock Research Institute.

Coffin, J.L., Asiimwe-Karimu, G., Monje, F., and Amuguni, J. 2013. A One Health approach for assessing impacts of anthrax on the human-animal interface in rural Uganda using participatory epidemiology tools. **Proceedings for Prince Mahidol Award Conference: A World United Against Infectious Diseases, Cross-sectoral Solutions.** Bangkok, Thailand.

Coffin, J.L., Asiimwe-Karimu, G., Monje, F., and Amuguni, J. 2012. Using Participatory Epidemiology to Assess Impacts of Anthrax on the Human-Animal Interface in Rural Uganda. **Proceedings for Participatory Epidemiology Network for Animal and Human Health Technical Workshop** in Chiang Mai, Thailand.

FUNDING RECORD

- **Perceptions of Impacts of Anthrax, a Participatory Assessment (part 1)**

Source: Tufts Institute of the Environment Fellow 2011-2012

Amount and Explanation: 2500.00 USD – Participatory assessment of perceptions of disease impacts, surveillance efforts, and conservation efforts regarding anthrax's impact on livelihoods and conservation near Queen Elisabeth National Park.

- **Perceptions of Impacts of Anthrax, a Participatory Assessment (part 2)**

Source: Tufts student chapter of Veterinarians for Global Solutions

Amount and Explanation: 200.00 USD – Supplemental funds for project for Tufts Institute of the Environment Fellowship above.

- **Repair of Water Cistern in “Thirsty Valley” near Ouled Ali, Morocco**

Amount and Explanation: 2,643.75 USD/21,150.00 MAD

Source: Small Project Assistance Grant through Peace Corps from USAID for improvement of rural water supply system for both animal and human consumption.

- **Construction of a Women’s Center in Ouled Ali, Morocco**

Amount: 3,168.42 USD/25,321.69 MAD

Small Project Assistance Grant (as above) for construction of a women’s center in rural Morocco. Grant proposal accepted by Peace Corps 05/2010 in preparation for submission to USAID. Project transferred to subsequent volunteer.

- **Repair of Irrigation System of Ouled Ali, Morocco**

Amount and Explanation: 1,876.51 USD/15,000.00 MAD—Privately donated funds secured to repair irrigation system damaged by flooding.

CERTIFICATIONS

Participatory Epidemiology Practitioner Certification

June 2013

- Participatory Epidemiology Workshop sponsored by the Participatory Epidemiology Network for Animal and Public Health at Guelph University in Ontario, Canada.

LANGUAGE COMPETENCIES

Moroccan Berber/Tamazight (Marmouchen dialect): fluent spoken, language is unwritten

Spanish: intermediate written and spoken

Kiswahili: low intermediate written and spoken

Moroccan Arabic: basic spoken

GENERAL SKILLS and INTERESTS

Interpersonal: meeting negotiation, facilitation, communication, and language interpretation

Writing: scientific research paper, literature review, grant proposal, needs assessment, follow-up evaluations and reports, literary essays, poetry, blogs, press release, op-ed

Computer: Excel, Word, PowerPoint, Minitab, ArcGIS, beginner R

Technical: basic necropsy, basic chemistry and biology lab, transect and plot survey

Environmental: community conservation and sustainability, increasing investment in the environment, outdoor sports/recreation, sustainable development, health equity

Music: alto saxophone, piano, vocals, and guitar