Andrea is interested in the eco-epidemiology of infectious diseases and how social factors interact with environmental drivers of transmission. Her dissertation research focuses on the human-environment dynamics involved in the transmission of schistosomiasis in the Senegal River Basin. Previously, Andrea has led field work on the ecology of West Nile virus transmission in urban Atlanta as well as on the role of social factors in explaining environmental risk for cholera in the Dominican Republic. Andrea holds a master’s of public health in global epidemiology from Emory University’s Rollins School of Public Health and a bachelor of arts in biology and Spanish from the University of Minnesota, Morris.

EDUCATION AND CERTIFICATIONS

- BA, University of Minnesota, Morris, Biology and Spanish
- MPH, Rollins School of Public Health, Emory University, Global Epidemiology

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Andrea's research interests are in the ecology and epidemiology of infectious disease. Her work focuses particularly on the social and environmental determinants of schistosomiasis, a parasitic disease that infects humans through direct contact with freshwater.

Publications

PUBLICATIONS

- Precision mapping of snail habitat provides a powerful indicator of human schistosomiasis transmission. Proceedings of the National Academy of Sciences of the United States of America
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- Unavoidable Risks: Local Perspectives on Water Contact Behavior and Implications for Schistosomiasis Control in an Agricultural Region of Northern Senegal. The American journal of tropical medicine and hygiene
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