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

- Nearly 400 million people are at higher risk of schistosomiasis because dams block the migration of snail-eating river prawns *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
  2017; 372 (1722)

- ROAD-SIDE CATCH BASINS AS SENTINELS FOR WEST NILE VIRUS INFECTED CULEX SPP. MOSQUITOES
  *AMER SOC TROP MED & HYGIENE* 2017: 462–63