



## AAG Annual Meeting

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### Paper Session:

#### 3527 Spatio-temporal Analysis of Vector-borne Disease II

is scheduled on Thursday, 4/11/2013, from 2:40 PM - 4:20 PM in Santa Monica A, Westin, Level 3

#### Sponsorship(s):

Spatial Analysis and Modeling Specialty Group  
 Health and Medical Geography Specialty Group  
 Geographic Information Science and Systems Specialty Group  
 Geography, GIScience, and Health: Spatial Frontiers of Health Research and Practice

#### Organizer(s):

[Eun-hye Yoo](#) - University At Buffalo (SUNY)  
[Jared Aldstadt](#) - University at Buffalo

#### Chair(s):

[Jared Aldstadt](#) - University at Buffalo

#### Abstract(s):

**2:40 PM Author(s):** \*John Q. Burkhart - West Virginia University, Department of Geology and Geography  
 Eungul Lee - West Virginia University, Department of Geology and Geography  
 A. B. Billings - West Virginia University, Department of Statistics  
 E. James Harner - West Virginia University, Department of Statistics

Abstract Title: *Climate and environment impacts upon malaria prevalence in two regions of India*

**3:00 PM Author(s):** \*Abhishek K Kala - University of North Texas  
 Sam Atkinson, Professor Environmental Science - University of North Texas  
 Armin Mikler, Professor Computer Science - University of North Texas  
 Joseph Oppong, Professor Geography - University of North Texas  
 Chetan Tiwari, Assistant Professor Geography - University of North Texas

Abstract Title: *Tele-epidemiology approach for modeling place vulnerability: a case study of West Nile Virus*

**3:20 PM Author(s):** \*Eun-hye Yoo - University at Buffalo (SUNY)

Abstract Title: *Predicting the spatio-temporal distribution of West Nile virus mosquito population using a geostatistical generalized linear mixed model*

**3:40 PM Author(s):** \*Marilyn O Ruiz - U of Illinois College of Veterinary Medicine

Abstract Title: *Fine scale mosquito abundance and West Nile virus infection measures in a suburban neighborhood near Chicago, Illinois*

**4:00 PM Author(s):** \*Varun Goel, MS Candidate - University of Illinois at Urbana-Champaign, Department of Geography and Geographic Information Science  
 Marilyn O Ruiz, Clinical Associate Professor - University of Illinois at Urbana-Champaign, Department of Pathobiology

Abstract Title: *A Spatio-Temporal Risk Assessment of Hemorrhagic Disease Exposure in Cattle in Illinois*

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