



## AAG Annual Meeting

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### Paper Session:

#### 3641 Spatial Epidemiology V: Spatial analysis

is scheduled on Thursday, 4/23/2015, from 5:20 PM - 7:00 PM in New Orleans, Hyatt, West Tower, Gold Level

#### Sponsorship(s):

Health and Medical Geography Specialty Group  
 Geographic Information Science and Systems Specialty Group  
 Spatial Analysis and Modeling Specialty Group  
 International Geospatial Health Research Network

#### Organizer(s):

[Eric M. Delmelle](#) - UNC-Charlotte

#### Chair(s):

[Eric M. Delmelle](#) - UNC-Charlotte

#### Abstract(s):

**5:20 PM Author(s):** \*Kevin Matthews - University of Iowa

Abstract Title: *Late-stage Colorectal Cancer (CRC) Incidence Rates are More Associated with CRC Mortality than the Proportion of Cases Diagnosed Late: An Iowa Example*

**5:40 PM Author(s):** \*Ingrid Elizabeth Luffman - East Tennessee State University

Abstract Title: *Identifying Environmental Risk Factors for Disease at Multiple Scales*

**6:00 PM Author(s):** \*Xun Shi - Dartmouth College

Joseph D. Ayotte - U.S. Geological Survey, NH - VT Office, New England Water Science Center

Akikazu Onda - Dartmouth College

Stephanie Miller - The Geisel School of Medicine at Dartmouth

Judy Rees - The Geisel School of Medicine at Dartmouth

Diane Gilbert-Diamond - The Geisel School of Medicine at Dartmouth

Tracy Onega - The Geisel School of Medicine at Dartmouth

Jiang Gui - The Geisel School of Medicine at Dartmouth

Margaret Karagas - The Geisel School of Medicine at Dartmouth

John Moeschler - The Geisel School of Medicine at Dartmouth

Abstract Title: *Geospatial Association between Low Birth Weight and Arsenic in Groundwater in New Hampshire, USA*

**6:20 PM Author(s):** \*Eric D. Carter - Macalester College

Claire M. Hofius - Macalester College

Abstract Title: *Spatial-Statistical Analysis of Childhood Immunization Refusal in California*

**6:40 PM Author(s):** \*Aniruddha Banerjee, PHD - Indiana U Purdue U Indianapolis

Paul Gruenewald, PhD - PREVENTION RESEARCH CENTER

William Ponicki - PREVENTION RESEARCH CENTER

Abstract Title: *Effects of Road Characteristics on Motor Vehicle Crashes and Alcohol*

*Outlets in California*

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**Session Description:** Sessions around the theme of spatial and spatiotemporal epidemiology. Focus is on the development of spatial and spatiotemporal methodologies to answer fundamental epidemiological questions. Topics:

- Spatiotemporal modeling
- Geovisualization and geocomputation for big data in health research
- Point pattern analysis and disease movement analysis
- Use of geospatial techniques in health (GPS, GIS)
- Spatial strategies for health interventions
- Geographies of prevention
- Accessibility to medical care
- Transportation and health
- Modeling uncertainty in health

Tijs Neutens (Tijs.Neutens@Ugent.be), University of Ghent, Belgium  
Eric Delmelle (eric.delmelle@uncc.edu), University of North Carolina, Charlotte  
Michael Widener (michael.widener@uc.edu), University of Cincinnati  
Elisabeth Dowling Root (elisabeth.root@colorado.edu), University of Colorado  
Alan Delmerico (delmeram@buffalostate.edu), Buffalo State College  
Jared Aldstadt (geojared@buffalo.edu), University at Buffalo  
Christopher Uejio (cuejio@fsu.edu), Florida State University

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