

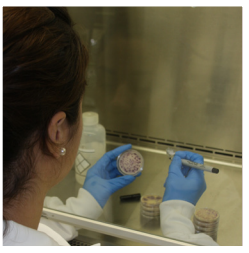
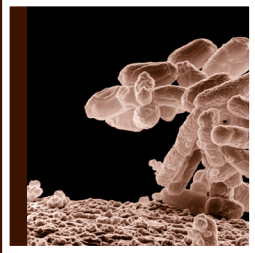
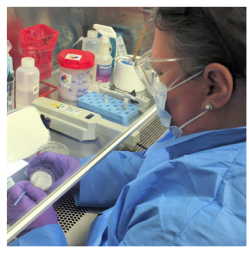
# BST

**Bacterial Source Tracking**

**2012 Bacterial Source Tracking  
*State of the Science Conference***



**T Bar M Conference Center • New Braunfels, Texas  
February 28-29, 2012**



# 2012 Bacterial Source Tracking State of the Science Conference

## Agenda

Tuesday, February 28

7:30-8:00 a.m. Check-in & Registration

What is BST? . . . . . Di Giovanni		
8:15 a.m.	Welcome	Di Giovanni
8:20 a.m.	Conference Objectives	Wendt
8:30 a.m.	Source Tracking - Past, Present, Future	Santo Domingo
9:15 a.m.	The ABCs of BST	Harwood
10-10:30 a.m.	Break (Poster Session)	

Applications & Regulations . . . Mott		
10:30 a.m.	BST Applications in Food Safety	Pillai
11:00 a.m.	BST & Regulations	Gutierrez
11:30 a.m.	Recommendations from the Texas Task Force on Bacteria TMDLs	Wendt
12:00 p.m.	Q&A	
12:10 p.m.	Lunch (included with registration fee)	

### Accuracy & Sensitivity . . . . . Srinivasan

1:30 p.m.	BST Accuracy & Study Design Issues	Stoeckel
2:00 p.m.	Persistence of Fecal Indicator Bacteria in the Environment	Sadowsky
2:30 p.m.	Thick & Thin of Poultry Source Identification	Harwood
3:00 p.m.	Considerations for BST qPCR Data Analysis	Shanks
3:30 p.m.	Q&A	
3:40-4 p.m.	Break (Poster Session)	

### Case Studies . . . . . Wagner

4:00 p.m.	Overview of Case Studies	Hagedorn
4:30 p.m.	Texas <i>E. coli</i> BST Library	Casarez
5:00 p.m.	Open Q&A Discussion	
5:15 p.m.	Adjourn	
5:15-6:30 p.m.	Poster Session	

Please view conference materials for list of restaurants near T Bar M.

**Wednesday, February 29**

7:00-8:00 a.m. Breakfast for Overnight Guests

**Case Studies (continued)** . . . . . *Santo Domingo*

8:00 a.m.	Exploration of Library-Independent BST for Texas	<i>Gentry &amp; Di Giovanni</i>
8:30 a.m.	Library-Independent MST for Coastal Waters	<i>Mott</i>
9:00 a.m.	Enteric Viruses in Galveston Bay Tributaries	<i>Brinkmeyer</i>

**BST & Modeling** . . . . . *Santo Domingo*

9:30 a.m.	Overview of Water Quality Models	<i>Srinivasan</i>
10-10:30 a.m.	Break (Poster Session)	
10:30 a.m.	Verification of <i>E. coli</i> Sources in Watersheds using GIS tools & Bacterial Source Tracking	<i>Karthikeyan</i>

**Discussion & Future Direction** *Di Giovanni*

11:00 a.m.	Panel Discussion	<i>Invited Speakers</i>
12:00 p.m.	Adjourn	

**Posters**

Poster titles and authors will be included after the submission deadline of **January 27, 2012**.

Submission guidelines are available on the conference website:

<http://texasbst.tamu.edu/2012-conference/>

**Registration**

To register for the conference or for lodging information visit: <http://texasbst.tamu.edu/2012-conference/>

Early registration is \$25.00 (postmarked by Jan. 27, 2012).  
 Registration received on or after Jan. 28, 2012 is \$30.00.  
 Fee includes conference materials; lunch (2/28); breaks.

**More about the Conference**

Nonpoint sources of pollution greatly affect water quality, with pathogens and indicator bacteria being a serious concern and dominating the Texas List of Impaired Waters. Identifying and assessing sources of fecal pollution are vital in effectively implementing nonpoint source pollution management programs. Bacterial Source Tracking (BST) helps identify the source of the fecal contamination and is a valuable tool in the development of total maximum daily loads (TMDLs) and watershed protection plans (WPPs). The state of BST science, methodologies, application and confidence has evolved greatly over the past few years. A host of new information is currently available, yet not readily distributed or known to state and federal agency personnel in Texas.

Speakers at this one-and-a-half-day conference will discuss BST and its application regarding current practices, scientific advances and improvements in application. The conference is targeted toward state, federal, and regional agency personnel; elected officials; academia and students; and others interested in the applicability of BST.

# BST

## Bacterial Source Tracking

### 2012 Conference Planning Committee

<b>Dr. George Di Giovanni</b> <i>Conference Chair</i>	<i>University of Texas School of Public Health El Paso Regional Campus</i>
<b>Dr. Elizabeth Casarez</b>	<i>University of Texas School of Public Health El Paso Regional Campus</i>
<b>Dr. Terry Gentry</b>	<i>Texas A&amp;M University</i>
<b>Dr. Valerie Harwood</b>	<i>University of South Florida</i>
<b>Dr. R. Karthikeyan</b>	<i>Texas A&amp;M University</i>
<b>Dr. Emily Martin</b>	<i>Texas A&amp;M University</i>
<b>Dr. Joanna Mott</b>	<i>James Madison University</i>
<b>Dr. Jorge Santo Domingo</b>	<i>US Environmental Protection Agency</i>
<b>Dr. R. Srinivasan</b>	<i>Texas A&amp;M University</i>
<b>Courtney Smith</b>	<i>Texas Water Resources Institute</i>
<b>Brian VanDelist</b>	<i>Texas Water Resources Institute</i>
<b>Dr. Kevin Wagner</b>	<i>Texas Water Resources Institute</i>
<b>Loren Warrick</b>	<i>Texas State Soil &amp; Water Conservation Board</i>
<b>Aaron Wendt</b>	<i>Texas State Soil &amp; Water Conservation Board</i>

### Invited Speakers

<b>Dr. Robin Brinkmeyer</b>	<i>Texas A&amp;M University at Galveston</i>
<b>Sally Gutierrez</b>	<i>US EPA National Risk Management Research Laboratory</i>
<b>Dr. Chuck Hagedorn</b>	<i>Virginia Tech</i>
<b>Dr. Suresh Pillai</b>	<i>Texas A&amp;M University Texas AgriLife Extension Service</i>
<b>Dr. Mike Sadowsky</b>	<i>University of Minnesota</i>
<b>Dr. Orin Shanks</b>	<i>US EPA National Risk Management Research Laboratory</i>
<b>Dr. Don Stoeckel</b>	<i>Battelle Memorial Institute</i>

