

**Workshop and Training Program on  
Sampling and Detection Methods Applied to Transgenic Crops**  
*November 17-19, NIN, Hyderabad, India*

*Agenda*

**Sponsored By**

**International Life Sciences Institute-India (ILSI-India)  
&  
ILSI International Food Biotechnology Committee, Washington DC**

**Co-Sponsored By**

**Department of Biotechnology, Ministry of Science & Technology, GOI  
Food Safety and Standards Authority of India  
Indian Council of Medical Research  
National Institute of Nutrition**

## Thursday, November 17, 2011 Workshop Day 1

08:00 - 08:45            **Registration**

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### **Opening Session**

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09:00 - 09:10            **Welcome Address**  
Dr B Sesikeran, Director, NIN

09:10 - 09:20            **Introductory Remarks**  
Mr D H Pai Panandiker, Chairman, ILSI-India

09:20 - 09:30            **Introduction to ILSI IFBiC, Goals of The Workshop**  
Dr. Ray Shillito, Chair, ILSI IFBiC

09.30-.09.35            **Vote of Thanks**

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### **Session 1: Present Status, Future Outlooks**

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#### **Chair**

**Mr D H Pai Panandiker**

**Dr. Ray Shillito**

09:40 - 10:10            **Global Status of GM Crops Approved for Planting  
And Food And Feed Processing**  
Dr David Grothaus , Strategic Alliance Lead, Monsanto, USA

10.10-10.40            **Status of GM Crops in India: Research & Regulatory System**  
Dr S R Rao, Advisor, DBT, GOI

10.40-11.00            **Break**

11.10- 11:30            **International Regulatory Activities: Codex Alimentarius - Work at the CCMAS**  
Dr Anne Bridges , Chair, American Alliance of Cereal Chemists (AACC Intl.)

11:30 -12.00            **Applications and Objectives of Detection:**

1. Product Development and Commercialization  
Dr K K Sharma, Director, PPTC, ICRISAT

2. Patent and IPR  
Dr S R Rao, Advisor, DBT, GOI

3. Trade Issues and Traceability  
Dr. Sachin Chaturvedi, Fellow, Research and Information System for  
Developing Countries – India

4. Consumer Issues  
Prof. Kameswara Rao  
Coordinator, Foundation for Biotechnology Awareness and Education (FBAE)

12.00-12.30	<b>Safety of GMOs</b> Dr B Sesikeran, Director, National Institute of Nutrition ( NIN)
12:30 - 13:00	Discussion – Questions
13.00 - 14:00	Lunch Break/Photos

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**Session 2: : Methods of Sampling and Detection for  
GM Plants and Foods**

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**Chair**

**Dr B Sesikeran**

**Dr Anne Bridges**

14:00 - 14:30	<b>It “All” Starts and Ends with Sampling</b> Dr. Ray Shillito
14:30 - 15:00	<b>Developing New GMO Detection Methods</b> Dr David Grothaus
15:00 - 15:30	<b>Supply Chain, Seed, Grain and Feed, Food - What We Are Testing?</b> Dr. Anne Bridges
15:30 - 16:00	<b>Introduction to Protein - Based Detection Methods</b> Dr. Clara Alarcon, Vice President, Analytical Excellence through Industry Collaboration, (AEIC), USA
16:00 - 16:15	<b>Break</b>
16:15 - 16:45	<b>Introduction To Qualitative / Quantitative DNA Detection Methods</b> Mr E. Pearce Smith, Eurofins / Gene Scan (USA)
16:45 - 17:15	<b>International Standards</b> Dr. Ray Shillito
17:15 -17.30	Discussion Panel
17.30	Vote of Thanks

**END OF DAY 1**

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**Day 2: Friday, November 18, 2011**

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**Session 3: Laboratory Activities: Module Two Participants Only**

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08:00 - 08:05

**Welcome To Day 2**

**08:05 - 12:00**

**Laboratory Session 1:**

- **DNA Testing - Group A, Lab A**
- **Protein Testing Group B, Lab B**

12:00 - 13:00

**Lunch break**

**13:00 - 18:00**

**Laboratory Session 2:**

- **DNA Group B, Lab A**
- **Protein Testing Group A, Lab B**

**END OF DAY 2**

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**Day 3: Saturday, November 19, 2011**

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**Session 4: Laboratory Criteria and Results from  
Laboratory Sessions**

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**Chair: Dr Anne Bridges**

- 08:00 - 08:10      **The Day Ahead**  
Dr. Ray Shillito
- 08:10 - 08:40      **Design & Management of The GMO Testing Laboratory**  
Mr E. Pearce Smith
- 08:40 - 09:10      **Test Method Performance Criteria and Validation**  
Dr. Anne Bridges
- 09:10 - 09:40      **Reference Materials**  
Dr David Grothaus
- 09:40 - 10:15      **Quantitative DNA Detection Methods**  
Mr E. Pearce Smith
- 10:15 - 10:45      **Break**
- 10:45 - 11:15      **Summary of Workshop, Discussion of Laboratory Results**
- 11:15 - 12:00      **Discussion of Alternate and Challenging Results  
From Qualitative and Quantitative Runs - Focus On  
“What Do These Results Mean For Decision Makers?”  
(ILSI IFBiC)**
- 12:00-13:00      **Panel Discussion on Challenges of Detection Methods: New Technologies**  
(Stacked Events, RNAi, Gene Silencing etc.)  
ILSI IFBiC
- 13:00 - 13:20      **Presentation of Certificates and Wrap-Up**
- 13:20 - 13:30      **Closing Remarks**
- 13:30 - 14:30      **Lunch and Networking**

**END OF DAY 3 & THE PROGRAM**

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