

# Conference On Role Of Probiotics In Promoting Healthy Microbiome For Health And Immunity

Thursday, December 6, 2018

Sovereign Hall 1,  
Hotel Le Meridien, New Delhi



**Sponsored By**

**International Life Sciences Institute-India**

## BACKGROUND

Understanding the role of the human microbiome in health and disease is among the most rapidly expanding areas of scientific research today. The microbiome is important in nutrition, immunity and effects on the brain and behavior. It is implicated in numerous diseases when the normal individual balance of microbes is disturbed. There could be increased susceptibility to infections as well as to non-communicable diseases like obesity, metabolic syndromes (e.g., diabetes and cardiovascular diseases), allergy and other inflammatory diseases. Diet, Antibiotic Usage and Lifestyle behaviors influence the diversity and composition of microbiota.

New strategies can be formulated for the management of diseases by manipulating gut microbiome. The common practice now available is the use of probiotics, prebiotics and dietary fiber to rehabilitate gut ecosystem.

ILSI India along with other ILSI branches has been working on this exciting field of “Microbiome and Health” and keeping track of scientific advances as they unfold.

## OBJECTIVES

The Conference will:

- Discuss the latest scientific findings on role of microbiome in promoting health and immunity.
- Deliberate on Gut Physiology and Intestinal Microbiota throughout the Life Cycle including Gut Microbiota through infancy.
- Look at interventions for a healthy microbiome focusing on the role of Probiotics and Prebiotics in maintaining a healthy gut and how they work – mechanism of action.
- Present new advances in Probiotics and Prebiotics and emerging health applications.
- Address the challenges that surround the growth and development of the products containing probiotic.
- Identify best practices for conducting research on microbiome, probiotics and prebiotics.
- Review regulations relating to Probiotics / Prebiotics and need for harmonization .
- Exchange views on key considerations in facilitating the application of science for improving health.

## AGENDA

09.00-09.30 Hrs. REGISTRATION

09.30-10.30 Hrs. Inaugural Session

- **Keynote Address**  
*Dr B Sesikeran, Former Director , National Institute of Nutrition, Hyderabad*
- **Inaugural Address**  
*To Be Confirmed*

10.30-10.45 Hrs. • Tea Break

10.45-12.15 Hrs. Session One: Health Through Microbiome

**CHAIR: TBC**

- **Microbiome Through Lifecycle**  
*Harnessing The Gut Microbiome And Probiotics For Better Health In A Broader Population*  
**Dr. Anders Henriksson**, Principal Application Specialist, DuPont Nutrition & Health, Sydney Australia
- **Indian Studies on Microbiota and Health:**
  - \* **NDRI**  
*Dr. Sunita Grover*, Principal Scientist and Head, Dairy Microbiology Division, ICAR-National Dairy Research Institute, Karnal
  - \* **ICMR**  
*Dr. Anju Sinha*, Deputy Director General, Sr. Grade, Division of Reproductive, Maternal and Child Health, Indian Council of Medical Research, New Delhi
  - \* **THSTI**  
*Dr. Thandavarayan Ramamurthy*, National Chair and Head, Centre of Human Microbial Ecology, Translational Health Science and Technology Institute (THSTI), NCR Biotech Science Cluster, Faridabad
  - \* **IMTECH**  
*Dr. Prabhu B. Patil*, Senior Scientist, CSIR-Institute of Microbial Technology, Chandigarh
- **Discussions**

12.15-13.15 Hrs.

**Session Two : Interventions For Healthy Microbiome**  
Recent Advances in Probiotics/Prebiotics/ Synbiotics For Improving Health

**CHAIR: TBC**

- **Pro and Prebiotics: An Evolution That Cannot Be Stopped**  
*Dr. J. B. Prajapati*, Professor & Head, Dairy Microbiology, Anand Agricultural University, Anand
- **Mechanism Of Action Of Probiotics**  
*Prof. Patricia Conway*, Associate Professor, University of New South Wales (UNSW), Australia

13.15-13.45 Hrs.

- **Lunch Break**

13.45-15.00 Hrs.

**Session Two Continues:**

- **Emerging Applications Of Probiotics:**
  - \* **Maternal Health**  
*Dr. R. Hemalatha*, Director, National Institute of Nutrition, Hyderabad ·
  - \* **Gut Health**  
*Dr. Ajay Bhalla*, Director and HOD, Gastroenterology Department, Fortis Hospital, NOIDA
  - \* **Immunity**  
*Dr. V. Deepak Bamolaa*, Scientist III, Department of Microbiology, All India Institute of Medical Sciences , New Delhi ·
  - \* **Antimicrobial Resistance**  
*Dr. Deepak B. Rawool*, Senior Scientist, Division of Veterinary Public Health, Indian Veterinary Research Institute, Bareilly
- **Discussions**

15.00-16.30 Hrs.

**Session Three: Microbiome & Probiotics: Key Considerations**

**CHAIR : Dr. Sushil Kumar**, Chairman, Scientific Committee of FSSAI,  
Former Director & Vice-Chancellor, NDRI Deemed Universit

- **Standardization Of Methodologies**  
*Dr. Bhabatosh Das*, Assistant Professor, Translational Health Science and Technology Institute (THSTI), Faridabad
- **Designing Next Generation Pro/ Prebiotics For Lifelong Health**  
*Dr. Rina Augustina*, Chair of Human Nutrition Research Centre of the Indonesian Medical Education and Research Institute University of Indonesia, Indonesia
- **Regulation On Probiotics / Prebiotics : Need For Global Harmonization**  
*Ms. Isha Singh*, Manager - World Wide Scientific Affairs, Asia Pacific, Herbalife International Pvt. Ltd., Bangalore
- **Discussions**

16.30-17.30 Hrs.

**Panel Discussion: Application Of Science For Improving Public Health**

**CHAIR: Dr. B. Sesikeran** Former Director , NIN, Hyderabad

- **Observations by Chair**
- **Observations by Panellists:**
  - \* **Product Development**  
*Dr. TSR Murali*, Chief Executive Officer, Urjita Food Business Consultants, Gurgaon
  - \* **Consumer Communication**  
*Dr. Neerja Hajela*, General Manager, Science and Regulatory Affairs, Yakult Danone India Private Ltd. New Delhi
  - \* **Analytical Methods for Probiotics**  
*Dr. S. K. Saxena*, Director, Export Inspection Council (Ministry of Commerce & Industry, Government of India) & Chairman, FSSAI Expert Panel, New Delhi
  - \* **Research Gaps**  
*Dr. Anju Sinha*, Scientist 'F' (Deputy Director General, Sr. Grade), Division of Reproductive, Maternal and Child Health, Indian Council of Medical Research, New Delhi

\* **Infrastructure & Human Resources**

*Dr. Shalini Sehgal, Associate Professor, Department of Food Technology, Bhaskaracharya College of Applied Sciences, University of Delhi, New Delhi*

\* **Other Challenges**

*Ms. Neelanjana Singh, President, Indian Dietetics Association, Delhi Chapter, New Delhi*

• **Discussions**

17.30 Hrs.

• **Tea Break**

## OUTPUT

A Monograph will be prepared and circulated widely.

## PARTICIPATION

The Conference will be of interest to government departments, public health experts, medical professionals, gastroenterologist, endocrinologists, nutritionists, dieticians, research institutes, food industry, industry making probiotics and prebiotics, home science colleges and food technologists.

## REGISTRATION

There is No Registration Fee, for participants. However it is important that ILSI-INDIA receives the Response Form by **November 27, 2018** to confirm the participation.

**Registration will be on first come first served basis.**

## ABOUT ILSI-INDIA

ILSI-India is a branch of International Life Sciences Institute (ILSI) with Head Quarters in Washington D.C. ILSI strategy encourages global action on identifying and then resolving outstanding scientific questions in four thematic areas that capture the core of ILSI's work: Food and Water Safety, Toxicology and Risk Science, Nutrition, Health and Well-Being and Sustainable Agriculture and Nutrition Security. ILSI has 18 branches worldwide and a Research Foundation.

ILSI-India has been working on scientific issues in the above areas since 1996. It works very closely with industry, R&D organizations, and government departments. ILSI-India carries out its mission through sponsoring workshops, conferences, seminars, training programs and research. It also brings out publications and organizes educational programs. ILSI-India activities cover India and South Asian Region.

ILSI-India attaches a great deal of importance to the research on gut microbiome and its impact on nutrition, immunity and health. Over the last 10 years it has organized several activities to discuss the latest research in these areas globally in general and in India in particular. In 2017 it also set up a unique "Scientific Advisory Committee on Nutrition, Microbiome, Health and Immunity" and "eWorking Group on Standardization of Methodologies for Research on Microbiome / Probiotics / Related Areas" with representatives from research organizations, health sector, Government institutions and industry. The "Focus on the Microbiome" page on ILSI website (<http://ilsi.org/focus-on-the-microbiome>) highlights ILSI activities in this exciting field of research.

### CORPORATE CO-SPONSORS:

**Diamond** : DuPont Nutrition & Health, Herbalife Nutrition

**Silver** : Yakult Danone India Pvt. Ltd.

*For more information and participation please contact:*

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