



MARKETSANDMARKETS™

6TH ANNUAL **NEXT GEN MICROBIOME AND PROBIOTICS CONFERENCE**

BEYOND MICROBES: CHARTING THE
COURSE FOR NEXT-GENERATION PROBIOTICS



8TH – 9TH February 2024 | San Diego, USA

Event Overview

The ecology of the human microbiome is known to be associated with both phenotype and environment. With the increasing focus on the development of human microbiome therapies and probiotics products & drug development various small innovative players are operating in the market.

However, inadequate research and regulatory policies in the human microbiome are some of the factors which restrain the progress. Learn about microbial innovation and applying the new microbiome findings along with the regulatory pathways for better therapeutic development. Also, witness discussions on microbiome vs probiotics and the link between them.

6th Annual Next Gen Microbiome and Probiotics Conference



**on February 8th–9th, 2024,
in San Diego, USA**

Join a convergence of professionals from the biotech, pharmaceutical, academic, and investment sectors at the 6th Annual Next Gen Microbiome and Probiotics Conference, scheduled for February 8th–9th, 2024, in San Diego, USA. Engage in discussions that highlight cutting-edge research and technological breakthroughs. Uncover pivotal sessions that delve into the production of effective microbiome therapeutics, regulatory pathways, prebiotics, probiotics, and postbiotics. Gain insights into the strategies for successfully translating research and development efforts into successful commercial products.



Key Highlights

01

Exploring the Function of the Gut Microbiome and Modulation of Immune Cells

02

Role of human skin microbiome in precision health

03

Oral-Systemic Microbiome Connection and its Modulation

04

Modulating the Vaginal Microbiome for Women's Health and Fertility

05

Microbiome as a science and its clinical applications- skin, gut & women's health

06

Prebiotics, Probiotics and Postbiotics

07

Treating *Clostridioides difficile*: Microbiota-based Live Biotherapeutic Products to Provide the Answer

Key Highlights



For more information please contact
events@marketsandmarkets.com | +91 20 48598 285

Who should Attend?



Medical Directors, Principal Investigators, Methodologists, and other clinical research professionals from pharmaceuticals, nutraceuticals and therapeutics-based organizations from the departments of:

- Microbiome discovery
- Department of Biochemistry and Immunology
- Microbiome science
- Microbiology
- Biological Science
- Gut Biology
- Human microbiome
- Drug discovery
- Therapeutics
- Immunotherapy



Directors, Heads, Professors/Assistant Professors/ Associate Professor, Research Scholars, Scientists from the departments of:

- Microbiology
- Microbiome therapeutics
- Microbiome
- Gastroenterology
- Immunology
- Bioinformatics
- Obstetrics
- Neonatology
- Functional foods
- Pediatrics
- Nutritionists/dieticians
- Gut inflammation
- Mucosal immunity
- Immunopharmacology Group
- Gut diagnosis
- Skin conditions
- Bateria and excema gut and bacteria
- Infant and gut
- Pediatric and git
- Gut brain axis



Why Attend?

- **Cutting-Edge Insights:** The conference will bring together leading experts and researchers in the field, providing access to the latest advancements, breakthroughs, and discoveries in microbiome and probiotics research.
- **Networking Opportunities:** Connect with like-minded professionals, researchers, and experts from diverse backgrounds.
- **Multidisciplinary Learning:** The conference typically covers a wide range of topics, that allows the attendees to gain a holistic understanding of the field.
- **Industry Trends:** Stay updated on the latest trends, developments, and emerging technologies in the microbiome and probiotics sector.
- **Professional Development:** Gain insights into best practices, methodologies, and techniques related to microbiome and probiotics research and applications.
- **Practical Applications:** Learn how microbiome and probiotics research can be translated into real-world applications, whether in healthcare, biotechnology, food production, or other industries.
- **Thought Leadership:** Engage in thought-provoking discussions, keynote speeches, and panel sessions led by industry thought leaders.
- **Exhibitor Showcases:** Explore exhibits and demonstrations showcasing the latest technologies, products, and services related to microbiome and probiotics.
- **Collaboration Opportunities:** Connect with potential collaborators, partners, and mentors who can support your research, projects, or business endeavours.
- **Personal Growth:** Attendees can enhance their personal growth by stepping out of their comfort zones, engaging in discussions, and embracing new ideas.



SCIENTIFIC ADVISORY BOARD



Julius Goepp

Founder, CEO
Scaled Microbiomics



Maya Ivanjesku

Chief Scientific Officer
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Arun K. Bhunia

Professor of Food Microbiology, Chair, Interdepartmental Food
Science Graduate Program, Department of Food Science
**Purdue Institute of Inflammation, Immunology and Infectious
Disease**



EXPERT SPEAKER PANEL



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Conference Schedule



DAY 01 8TH February 2024
 Thursday

08:15	Registration
08:50	Welcome note from MarketsandMarkets
08:55	Opening Remarks from the Chairperson
UNVEILING TOMORROW'S HEALTH WITH NEW MICROBIOME FINDINGS	
09:00	Keynote Presentation – Exploring the Function of the Gut Microbiome and Modulation of Immune Cells
09:30	Interpreting Microbiomes via Multi-Omics in Health, Disease, Aging, and Drug Responses
10:00	Reserved Slot for Platinum Sponsor
10:30	Morning Refreshments and Poster Presentation One-to-One Networking Meetings
11:15	Reserved Slot for Gold Sponsor
11:45	Modulating the Vaginal Microbiome for Women's Health and Fertility
12:15	Oral-Systemic Microbiome Connection and its Modulation • Introduction to the oral microbiome and oral dysbiosis • Discuss clinical data demonstrating ability to modulate the oral microbiome and test dysbiosis to affect dental disease. • Systemic conditions linked to oral dysbiosis Emily Stein, CEO, Primal Health Inc.
	Next-Generation Probiotics Against Enteric Pathogen Infection and Chronic Inflammatory Disease • Host Hsp60 receptor-specific bioengineering of Lactobacillus probiotics • Anti-inflammatory and immunomodulatory effect of bioengineered probiotics • Effectiveness of bioengineered probiotics as therapeutic against inflammatory diseases • Culturable microbiota profile Arun K. Bhunia, Professor of Food Microbiology, Chair, Interdepartmental Food Science Graduate Program, Department of Food Science, Purdue Institute of Inflammation, Immunology and Infectious Disease
13:15	Lunch and Poster Presentation One-to-One Networking Meetings

REVOLUTIONIZING WELLNESS – EXPLORING THE FUTURE OF MICROBIOME AND PROBIOTICS

14:15	How Lifestyle and Life Stages affect Gut Microbiota
14:45	Crafting Synbiotics for Long Term Nutritional Benefits • Obstacles & Benefits
15:15	Probiotic and Prebiotic Interventions Targeting the Gut Microbiome Can Improve Gut Dysbiosis, Reduce Intestinal Permeability and Inflammation Gut Dysbiosis, Reduce Intestinal Permeability and Inflammation, Reduce
15:45	Afternoon Refreshments and Poster Presentation One-to-One Networking Meetings
16:30	Back to Health – An Evolutionary Biology Perspective on the Skin Microbiome
17:00	Modulation of the Aging Gut Microbiome to Improve Health
17:30	Closing Remarks from the Chairperson

Drinks Reception & Networking | End of Day 1



Conference Schedule



DAY 02 9TH February 2024,
 Friday

08:15	Registration
08:50	Welcome note from MarketsandMarkets
08:55	Opening Remarks from the Chairperson
CULTIVATING WELLNESS: PIONEERING THE FUTURE OF MICROBIOME AND PROBIOTICS	
09:00	keynote Presentation – Treating <i>Clostridioides difficile</i> : Could Microbiota-based Live Biotherapeutic Products Provide the Answer?
9:30	Effective Microbiome Therapeutics in Production
10:00	Next-Generation Probiotics for Health • Use of genetically modified probiotics to deliver therapeutics • Microbiome studies in the Nonhuman primate model • Recommendations for microbiome studies
10:00	Skin Microbiome Changes Over Time
10:30	Morning Refreshments and Poster Presentation One-to-One Networking Meetings
SHAPING HEALTH WITH NEXT-GENERATION PROBIOTICS	
11:15	Precise Microbiome Editing to Change How We Treat Chronic Bacterial Diseases
11:45	Human Stress Hormones (Catecholamines) as Key Regulators of Pathogens/ Probiotics Interactions within Gut
12:15	Probiotics from Plants and its Key Benefits
12:45	Fine-Tuned Prebiotic Fiber Structures to Effective Support Probiotic-Type
13:15	Lunch and Poster Presentation One-to-One Networking Meetings

NAVIGATING FUTURE PATHWAYS FOR SKIN MICROBIOME

14:15	Redefining the Understanding of What Makes a Healthy Skin Microbiome
14:45	Your Products & the Microbiome: Ingredients Matter
15:15	Exploring the Current Challenges & Opportunities in Skin Microbiome Research & Product Development
15:45	Closing Remarks from the Chairperson

End of Conference





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About MarketsandMarkets

MarketsandMarkets Events is a wholly owned division of MarketsandMarkets a global market research and intelligence company producing over 1200 premium market research reports every year across 12 different industry verticals. By bringing together experts, speakers from across the world and leading technology and service providers, Events provide a senior level educational and networking platform where knowledge is shared and partnerships and collaborations can be formed. With offices in Asia, Europe and USA, MarketsandMarkets ensures a truly global attendance at every event where attendees, speakers, exhibitors and sponsors can exchange ideas in a relaxed and professional environment.

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