



# BOARD MEETING

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June 20, 2024  
Zoom Video Conference



Champion the prebiotics category by increasing public awareness and understanding of the science supporting both well-known and newfound benefits and create needed transparency about prebiotics and their interaction with the microbiome.



## MISSION





# AGENDA

- Welcome and Updates: Executive Director Len Monheit
- Association Priority Initiatives
  - Definition paper
  - Standards of evidence
  - Health Canada monograph
  - HCP 101 Guide
  - Young Researcher Awards
  - Prebiotic Verified
  - Global Prebiotics Week
  - EU Task Force
  - Membership Growth
  - Education and thought leadership
  - Synbiotics
- Other Committee Updates
  - Science + Technical
  - Regulatory
  - Communications
- 2024 Strategic Priorities and 2025 planning
- Upcoming Shows, webinars and conferences
- Additional Business

# **ANTI-TRUST STATEMENT**

The Global Prebiotic Association (GPA) is a not-for-profit trade organization. The association is not organized to and may not play any role in the competitive decisions of its members or their employees, nor in any way restrict competition among members or potential members. Rather it serves as a forum for a free and open discussion of diverse opinions without in any way attempting to encourage or sanction any particular business practice.

GPA is committed to complying fully with the antitrust laws.

# MEMBERS

GLOBAL  
**PREBIOTIC**  
ASSOCIATION

nexira

ADM

Clasado  
biosciences

AIDP  
Your Trusted Partner

Univar Solutions

TAIYO

Finzelberg

KYOWA

Ingredion

OLIPO

NutriScience  
Ingredients Matter.

stratum  
NUTRITION

VITALUS

ADVANCED  
BIOTICS

AgriFiber

Anagenix

ANDERSON  
ADVANCED INGREDIENTS

ASR  
GROUP

atlantia  
food clinical trials

Carbiotix

COMET

CPKelco  
A HUBER COMPANY

STEP CHANGE  
INNOVATIONS

SGS nutrasource

GUT FEELING  
EMPOWERED FROM WITHIN

The Fruit Company  
Iprona

LODAAT  
live one day at a time

MICROBA

ProDigest  
Gastrointestinal Expertise

FRESENIUS  
KABI  
caring for life

PATHWAY  
INTERNATIONAL

PhenoBiome

ROQUETTE  
Offering the best of nature™

Cryptobiotix

OLYRA

poppi

res

vibi+

Southeastern Reduction Co.  
Quality Fiber Products

supergut™

# GENERAL UPDATES: EXECUTIVE DIRECTOR LEN MONHEIT

- Update from recent events
- New members and membership pipeline
- Upcoming presentations and presence





# **ASSOCIATION PRIORITY INITIATIVES**

## Revisiting the Concepts of Prebiotic and Prebiotic Effect in Light of Regulatory and Scientific Progress – A Consensus Paper from the Global Prebiotic Association (GPA)

### Abstract

The term prebiotic has been used for almost three decades and has undergone numerous updates over the years. The scientific literature reveals that despite continuous efforts to establish a globally unified definition to guide jurisdictional regulations and product innovations, ambiguity continues to surround the terms prebiotic and prebiotic effect, leading to products that lack in full regulatory adherence being marketed worldwide. Thus, to reflect the current state of scientific research and knowledge and for the continuous advancement of the category, an update to the current prebiotic definition is warranted. This update includes removing the term selectivity, considering additional locations of action besides the gut, highlighting prebiotic performance benefits such as cognitive and athletic, and providing a clear standalone definition for prebiotic effect. The Global Prebiotic Association (GPA) is a leading information and industry hub committed to raising awareness about prebiotics, their emerging and well-established health benefits, and prebiotic product integrity and efficacy. In this position paper, GPA builds on previous prebiotic definitions to propose the following expanded definition for prebiotic: *“a component or ingredient that is utilized by the microbiota producing a health or performance benefit.”* |

In addition to prebiotic, GPA also defines prebiotic effect as: *“a health or performance benefit that arises from alteration of the composition and/or activity of the microbiota, as a direct or indirect result of the utilization of a specific and well-defined component or ingredient by microorganisms.”* With these two definitions, GPA aims to paint a clearer picture for the term prebiotic and by incorporating an industry point of view, these updated definitions may be used alongside current scientific and regulatory perspectives to move the category forward.



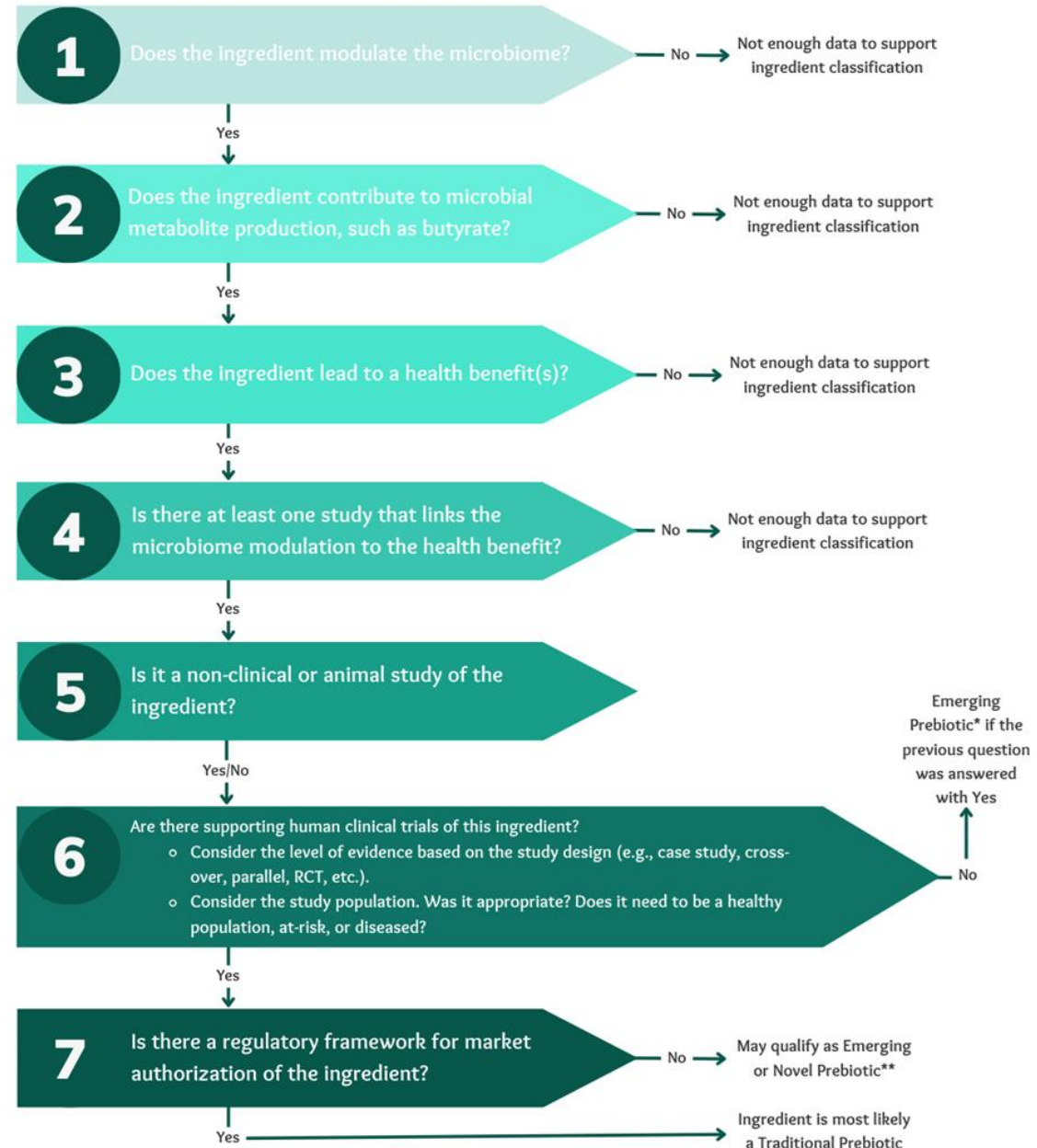
# STANDARDS OF EVIDENCE (SoE)

The following questions are intended to guide the evaluation of evidence supporting the substantiation for the classification of a prebiotic ingredient.

\*If question #5 was answered with Yes, the ingredient may be classified as an Emerging Prebiotic; if question #5 was answered with No, there is not enough data to support ingredient classification.

\*\*Based on the number of clinical trials available. If one clinical trial, then the ingredient may be classified as an Emerging Prebiotic. If more, then the ingredient may be classified as a Novel Prebiotic.

Based on the # of questions answered with Yes, determine the strength of the evidence/substantiation supporting ingredient classification.



# PREBIOTICS MONOGRAPH

## Prebiotics Monograph Outline Proposal

### Route of Administration

- Oral

### Dosage Form

- All acceptable dosage forms for oral use indicated in the dosage form drop-down list of the web-based Product Licence Application form for Compendial applications.
- This monograph excludes foods or food-like dosage forms as indicated in the Compendium of Monographs Guidance Document.

**Use(s) or Purpose(s)** [These are general claims that apply to all ingredients within Table 1. Note that some ingredients may have more specific claims associated based on certain quantities]

- Prebiotic.
- Helps stimulate the growth of healthy bacteria (such as bifidobacteria) in the intestine/gut.
- Helps support and maintain a healthy digestive system.
- Prebiotic which helps stimulate the growth of healthy bacteria (such as bifidobacteria) in the intestine/gut.

### Subpopulation(s)

- Adults

### Direction(s) for use

- Dependent on dosage form and product format

### Duration(s) of use

- No statement required.

### Known adverse reaction(s)

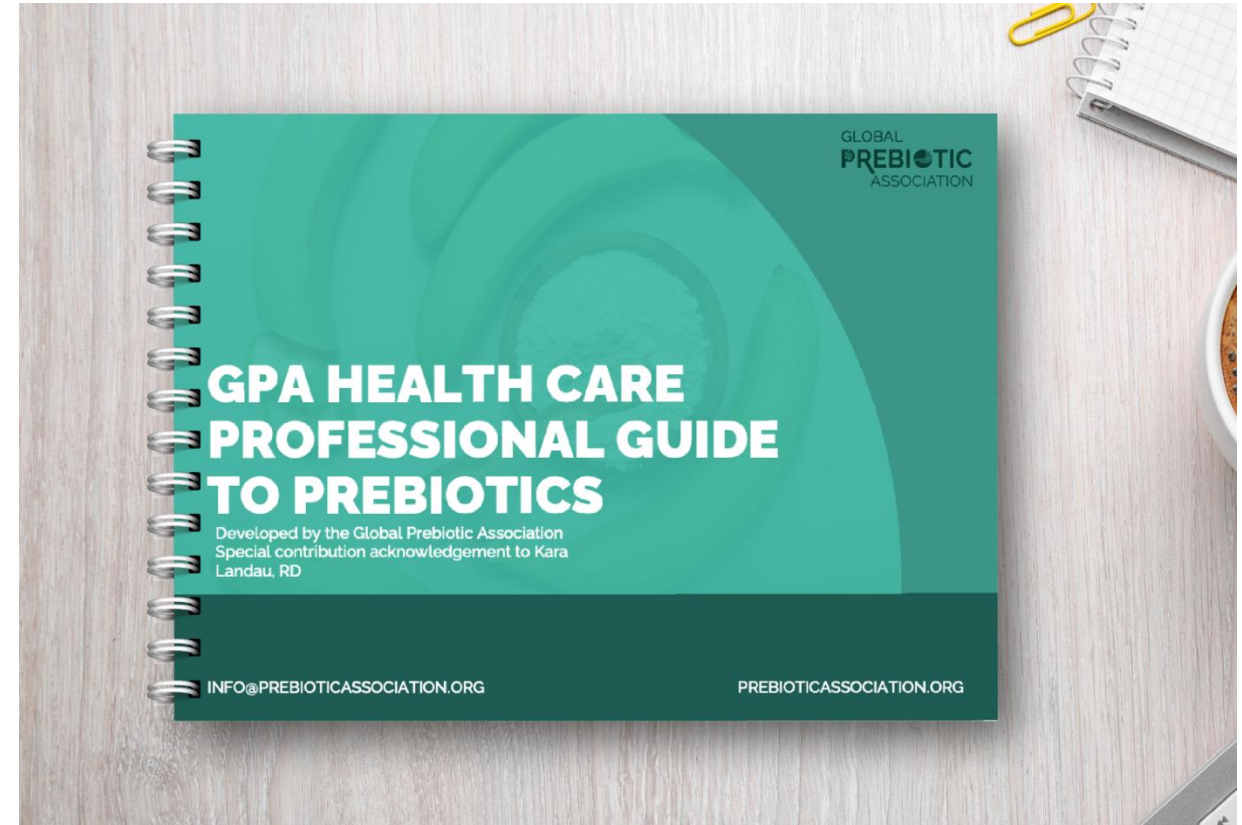
- Stop use if hypersensitivity/allergy occurs.
- May cause mild gastro-intestinal discomfort (such as gas, bloating, cramps).

**Table 1** Summary of prebiotic medicinal ingredients with suggested quantities and supporting literature.

Medicinal Ingredient	Quantity	References
Acacia Gum	10 g - 40 g	Calame W, Weseler AR, Viebke C, Flynn C, Siemensma AD. Gum arabic establishes prebiotic functionality in healthy human volunteers in a dose-dependent manner. <i>Br J Nutr</i> . 2008 Dec;100(6):1269-75. doi: 10.1017/S0007114508981447. Epub 2008 May 9. Erratum in: <i>Br J Nutr</i> . 2009 Aug;102(4):642. PMID: 18466655. <a href="https://doi.org/10.1017/S0007114508981447">https://doi.org/10.1017/S0007114508981447</a>
Common names: Gum Arabic		
Sorbec: Acacia Senegal Acacia seyal		Cherbut C, Michel C, Raison V, Kravtchenko T, Severine M. Acacia gum is a bifidogenic dietary fibre with high digestive tolerance in healthy humans. <i>Microbial Ecology in Health and Disease</i> . 2003 Jan 1;15(1):43-50. <a href="https://doi.org/10.1080/089106003100014377">https://doi.org/10.1080/089106003100014377</a>
		Goetze G, Fruhauf H, Pohl D, Glarh M, Kocher S, Drnstein K, Menne D, Fried M, Thumshirn M. Effect of a prebiotic mixture on intestinal comfort and general wellbeing in healthy. <i>Br J Nutr</i> . 2008 Nov;100(5):1077-85. doi: 10.1017/S0007114508960918. Epub 2008 Apr 1. PMID: 18377682.
		Al-Rubini Y, Ahmed N H, Al-Buraidi R, Madden J, Iqbal S, Sirasanagandla SR. The Efficacy of Gum Arabic in Managing Diseases: A Systematic Review of Evidence-Based Clinical Trials. <i>Biomolecules</i> . 2023 Jan 9;13(1):138. doi: 10.3390/biom13010138. PMID: 36671523; PMCID: PMC9855968.
		Rabiker R, Elmusharaf K, Krogh MK, Kanaga AS, Saeed AM. Metabolic effect of gum Arabic (Acacia Senegal) in patients with type 2 diabetes mellitus (T2DM): randomized, placebo controlled double blind trial. <i>Functional Foods in Health and Disease</i> . 2017 Mar 31;7(3):222-34. <a href="https://doi.org/10.31989/ffhd.v7i3.325">https://doi.org/10.31989/ffhd.v7i3.325</a>
		Rabiker R, Merghani TH, Elmusharaf K, Badi RM, Lang F, Saeed AM. Effects of Gum Arabic ingestion on body mass index and body fat percentage in healthy adult females: two-arm randomized, placebo controlled, double-blind trial. <i>Nutr J</i> . 2012 Dec 15;11:111. doi: 10.1186/1475-2875-11-111. PMID: 23241359; PMCID: PMC3570285.
		Bongartz U, Erlenbeck C, Wohlfahrt I. The Effect of Gum Acacia on Post-Prandial Glucose and Insulin Levels in Healthy Subjects. <i>Food and Nutrition Sciences</i> . 2022 Apr 12;13(4):424-38. <a href="https://doi.org/10.4236/fns.2022.134031">https://doi.org/10.4236/fns.2022.134031</a>

# HCP 101 GUIDE – UPDATES FOR VERSION II

- Conversations have begun regarding version II of the guide and what updates should be made
- **Discussion topic:**
  - Updates to the prebiotic types section in future iterations
    - What determines whether a prebiotic type is or is not added?
    - How does GPA best navigate details/logistics associated with these kinds of updates?





# GPA YOUNG RESEARCHER AWARD WINNERS

**Fundamental:** Erica Bonazzi

**Affiliation:** Université Paris Cité  
INSERM U1016 - Institut Cochin

**Title:** Individualized microbiotas dictate  
the impact of dietary fiber on colitis  
sensitivity

[Published Paper](#)

**Applied:** Hamdi Jama

**Affiliation:** Monash University

**Title:** Prebiotic intervention with HAMSAB  
in untreated essential hypertensive  
patients assessed in a phase II randomized  
trial

[Published Paper](#)

Both winners are confirmed for their first GPA-featured speaking engagements during  
**the Naturally Informed Mastering the Market: Microbiome Virtual Conference**, taking place June 25 – 27.

**Erica Bonazzi:**

**Date:** June 27

**Time:** 12:45 – 1p ET

**Topic:** TBD

**Hamdi Jama:**

**Date:** June 25

**Time:** 12:15 – 12:30p ET

**Topic:** TBD

**Registration link:** <https://naturallyinformed.net/2024-ni-micro-main/>

# PREBIOTIC VERIFIED MEMBER COMPANIES

- 5 member companies through Prebiotic Verified program to date
- Several other member companies currently in process

## INGREDIENT COMPANIES:

- ASR
- ROQUETTE
- TAIYO



## BRANDS:

- OLIPOP
- OLYRA



# GLOBAL PREBIOTICS WEEK 2024

- **Dates:** November 4 – November 8
- Will be holding a planning meeting with the Comms committee in August to discuss the following:
  - Theme for 2024
  - Topics we want to focus on, communicate, and develop promotional assets for
  - Creative/assets to include in GPA's toolkit
  - + Any new ideas we may want to try this year



# EU TASK FORCE

Members so far:

- Steven Riley – Clasado
- Stephan Platner - Iprona
- Damien Guillemet - Nexira
- Kieran Rae – ADM

Additional Volunteers being sought

# Membership Growth

- The imperative of 50
- What's the mix
  - Ingredients, brands, services
  - Geographical mix – the Asia gap
- What is the theoretical universe?

# EDUCATION AND THOUGHT LEADERSHIP



- Linked in as a primary channel – 2798 followers – can we hit 3500 or 4000 by eoy?
  - GOED has 4K, IPA has 10K
- Webinars 3 + per year
- Content -2 white papers, definition paper, infographics (2-3), earned media
- Conferences and events (NI, FOM, VF Asia, CIFST)
- Practitioners and influencers
- Our stake in synbiotics
- Communication of accomplishments
- External relationships of quality – ISAPP, IADSA, CHFA, ILSI, CMA, INM



# SYNBIOTICS

## SYNBIOTICS

More than just probiotics • prebiotics

Synbiotics are mixtures of live or inanimate microorganisms co-administered with substrate(s) selectively utilized by either the co-administered microorganism or the host's indigenous microorganisms, conferring a health or performance benefit.

### TWO TYPES OF SYNBIOTICS:

#### 1 COMPLEMENTARY

Comprise one or more live or inanimate microorganisms co-administered with a substrate that independently work in the formulation to generate a health benefit that is additive.

#### 2 SYNERGISTIC

Comprise a substrate that is utilized selectively by the co-administered live or inanimate microorganisms, yielding a significant combined benefit.

#### DID YOU KNOW...?

ACCESS THE REFERENCES AND GET THE LATEST INDUSTRY INSIGHTS



PREBIOTICASSOCIATION.ORG

**SYNBIOTICS have been linked to a number of health benefits, including:**

- Managing inflammation
- Reducing lipid profile
- Weight management
- Exerting antineoplastic effects (fighting cancerous cells)
- Preventing and managing atopic dermatitis
- Managing non-alcoholic fatty liver disease
- Supporting immune function
- Managing surgical infections and complications
- Supporting gastrointestinal health
- Enhancing cognitive health

## ✓ MARCH SPOTLIGHT

## ❑ TECHNICAL WHITE PAPER

## ❑ SYNBIOTICS MONOGRAPH

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# **ADDITIONAL COMMITTEE UPDATES**

# SCIENTIFIC & TECHNICAL COMMITTEE

- Owners of the scientific database, Mendeley
- Provides guidance and review to the Communications Committee
- Oversees the Young Researcher Grant Program
- Offers input into the NutraStrong™ Prebiotic Verified Program
- Category stewardship (i.e., Stribling and Ibrahim (2023) response)
- **Synbiotics Working Group**
  - March Spotlight
  - Content Development: Convert Synbiotics Infographic to a full Technical White Paper for late Q2 / early Q3..
- **Prebiotic Definition Paper Working Group**
  - Multiple audiences are interested in GPA's definition, which includes **action and activity**, but they cannot cite it until it is published.
  - Under revision based on external reviewer and ISAPP feedback. Shared with Health Canada. Goal is to submit by month end.
- **Prebiotic Type Spotlights** (i.e., Whole Food Matrix and Omega-3 Fatty Acids coming up). Located: <https://prebioticassociation.org/prebiotic-resource-guide/>
- Collaboration with other associations like CHFA, CIFST, CMA, IADSA, ILSI, ISAPP, etc.

## Chair:

John Deaton, ADM

## Vice Chair:

Stephan Plattner, IPRONA

## Lead:

Tania John, SGS Nutrasource

## Committee Members:

Alexis Collins, Angela Genoni, Barbara Gaigg, Cynthia Suarez-Rizzo, Damien Guillemet, Derek Tim, Doug Rosendale, Edward Deehan, Eri Nakazaki, Frederique Respondek, Josh Baisley, Junrui Cheng, Kara Landau, Katarina Smiljanec, Lucien Harthoorn, Michael Lelah, Nathan Gray, Noah Voreades, Paula Guerra, Peter Azmi, Rhonda Witwer, Silvi Siddhu, and Tamar Serapian

Meets **monthly**, including once quarterly for the Joint Committee Meeting.



# REGULATORY COMMITTEE

*Purpose: To focus on mapping the world to create a more favorable and transparent regulatory environment for prebiotics globally.*

## Prebiotics Monograph

- Provided a detailed plan for the development of a Prebiotics Monograph to Health Canada in January and met with them in March.
- Outline included GPA's proposed approach, areas of focus, claims, dose, and supporting evidence.
- Shared goal of creating a comprehensive and science-backed monograph that aligns with regulatory requirements and contributes to public health.
- Connected with Health Canada at Probiota and shared the Definition Paper with them. They indicated that the review process will continue throughout this year, with a tentative release date of early 2025.

## Database and Resource Guide

- Live document that is updated as new information becomes available.
- Work towards populating gap areas (e.g., African countries, India, Israel, LATAM, Middle East, etc.)
- Available to members only: <https://prebioticassociation.org/prebiotic-regulatory-guide/>

### Lead:

Tania John, SGS Nutrasource  
Nidhi Joshi, SGS Nutrasource  
(minute taker)

### Committee Members:

Andressa Blainski, Barbara Gaigg, Darian Budarick, Debbie Levine, Frederique Respondek, Gabriela Superti, Katarina Smiljanec, Lorien Reynolds, Lucie Nagy, Melissa Kessler, Michael Gepp, Nidhi Joshi, and Olivier Bove

Meets **monthly**, including once quarterly for the Joint Committee Meeting.



# COMMUNICATIONS COMMITTEE

- All internal and external communication
- GPA social – LinkedIn
- GPA website updates
- Planning and management of Global Prebiotics Week
- Graphics
- Insights report dissemination (2 this year)
- Tradeshow assets and promotion
- Member spotlights
- **What's ahead**
- HCP 101 updates for version II
- Speaking engagements at FNCE 2024 + elsewhere
- Global Prebiotics Week



# UPCOMING TRADE SHOWS

- **IFT: Booth #3642**
  - Co-exhibitors: ProDigest, Step Change, Carbiotix
- **FNCE: Booth #608**
  - No co-exhibitors
- **SSW: Booth #5036**
  - Co-exhibitors: Step Change, Carbiotix

## **Request for Samples:**

- In preparation for the upcoming trade shows, we are looking to replenish samples that are displayed on the prebiotic showcase at GPA's booths.
- As board members, the opportunity to provide samples for trade shows is offered to you at no cost.
- If you're interested in providing product samples, please reach out to Morgan for details and coordination.

# UPCOMING WEBINARS/CONFERENCES

- **Naturally Informed Microbiome Virtual Conference**
  - Dates: 6/25 – 6/27
  - Organized by ITC + WFM
  - 2024 YR winners first GPA speaking engagement
- **Polyphenols and Novel Prebiotics Webinar**
  - Date: 9/11
  - Currently seeking speakers
- **Active Nutrition Webinar**
  - Date: TBD
  - Currently seeking speakers

A decorative graphic on the left side of the slide. It features a close-up photograph of several leeks, showing their green leaves and white stalks. Overlaid on the leeks is a large, semi-transparent teal circle. The circle is positioned such that it partially obscures the leeks, creating a layered effect.

# **2024 STRATEGIC PRIORITIES + KPIs**



# KPIs: TECHNICAL & REGULATORY

## Technical:

- Focus to include Synbiotics
- Definition and communication on both prebiotics and synbiotics
- Maintain and expand Mendeley database
- Expand pool of experts and tech advisory board
- Updates to types links

## Regulatory:

- Health Canada Monograph
- Regulatory Map growth and updates
  - Maintenance and dissemination of additions/changes
- Other opportunistic dialogue



# **ADDITIONAL BUSINESS**



**THANK YOU FOR  
YOUR ONGOING  
SUPPORT**

Len Monheit  
Executive Director  
[len@itcstrategy.com](mailto:len@itcstrategy.com)

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Tania John  
Science & Technical Director  
[tjohn@nutrasource.ca](mailto:tjohn@nutrasource.ca)

---

Morgan Johnston  
Communications Director  
[morgan@itcstrategy.com](mailto:morgan@itcstrategy.com)

---

Tim Mizones  
Project Specialist  
[tim@itcstrategy.com](mailto:tim@itcstrategy.com)



[/prebioticassociation](https://prebioticassociation.org)



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