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Maternal and infant health - What can HRB probiotics offer?


Bifidobacteria are among the first microbes to colonise the gut and are being purported as beneficial for human health. Several research studies have reported that lower abundance of bifidobacteria in the gut precedes disease development, including gut disorders, allergy, obesity and mental disorders. Increasingly, bifidobacteria have been integrated into a range of food products and supplements as functional probiotics ingredients. It has been speculated that bifidobacteria supplementation during pregnancy and in the neonatal period might reduce some maternal and neonatal adverse outcomes. However, not all bifidobacteria are the same, and not all confer the same benefits to the host. It is increasingly evident that there are subtle but important differences between bifidobacterial species of different residential origins. This presentation will delve into the superiority of Human-Residential Bifidobacteria (HRB), which are the natural inhabitants of human intestine,

and their roles in driving maternal and infant wellbeing.

Speaker Biography

Chyn Boon Wong, received B.Sc. Degree with first class honours in Microbiology in 2011 from the University of Putra Malaysia, and PhD from University Sains Malaysia in 2016, specializing in the development of lactic acid bacteria and their bioactive molecules as nutraceuticals. In December 2016, she joined Morinaga Milk Industry Co., Ltd. Japan and has been engaged in research activities related to the functional benefits of probiotics. Her main research interest focuses on the role of the gut microbiota member, bifidobacteria, in human health. She has been conducted research to explore the new functionality of bifidobacteria and the significance of the use of human-residential bifidobacteria (HRB) for human supplementation. She has been the recipient of USM Fellowship in University Sains Malaysia for three consecutive years, and the participant of Regional Bio-Asia Program in Institute for Agricultural Research (INRA), Angers-Nantes, France in 2013.

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