



Join us for a free

***HGF Webinar on  
Dietary fiber and the gut microbiome***

**Tuesday, 15 February 2022**

**2:00 PM - 3:00 PM CET**

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**Bruce Hamaker** is Distinguished Professor of Food Science at Purdue University, West Lafayette, Indiana. He also holds the Roy L. Whistler Chair and is Director of the Whistler Center of Carbohydrate Research. He obtained his undergraduate degree in biological sciences from Indiana University; his graduate studies were in human nutrition (M.S.) and food chemistry (Ph.D.) from Purdue University, and post-doctoral study at the Instituto de Investigacion Nutricional in Lima, Peru (supervisor, George Graham, Johns Hopkins University). He was in the U.S. Peace Corps in Liberia, West Africa from 1977-1979. He has over 280 refereed publications in food science, human nutrition, biochemistry and broad-spectrum journals, as well as numerous book chapters. He has advised over 70 M.S and Ph.D. students and 25 post-doctoral scientists. Bruce's research is known in the area of food carbohydrates and proteins with applications related to topics of processing, nutrition, health and wellness. He has been and continues to be active in international research collaborations in Africa, Asia and Latin America; and particularly in development-oriented research and applied programs in West

and East Africa.

Presentation title: "***Gut microbiome composition in relation to structure-function of dietary fibers***".



**Frank Schuren** received his PhD at Groningen University in 1987 on the molecular biological analysis of fungal development. After a postdoc on genetic transformation systems in filamentous fungi at the same University and a postdoc at the ETH Zurich in Switzerland he joined TNO in 1996. At TNO he started the implementation of microarray technology in applied research which led to successful implementation in applied microbial research. These include novel diagnostic tools which enable the discrimination between closely related bacterial strains (such as the Legionella chip) and the analysis of complex microbial populations (such as the intestinal and vaginal microbiota). Also tools for analyzing the immediate responses of microbes or microbial populations towards multiple stressors have been developed. Furthermore Frank has extensive experience with different approaches for novel antimicrobial strategies. Currently Frank is senior scientist in the Microbiology team within TNO and actively involved in activities towards better understanding the role of the microbiome in human health and especially in ways to modulate microbiome in order to improve human health. Presentation title: "***Individual and group-based differences in gut microbiota responses to in vitro fiber interventions***".

We are looking forward to welcoming you!

On behalf of Healthgrain Forum,

Nesli Sözer

Jan de Vries

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