Workshop on the Applications of Magnetic Resonance in Food Science:

Multiscale Food Structures and FoodOmics

A n interactive on-line workshop organized by the Magnetic Resonance in Food Division (MRFOOD) of the Groupement Ampere on **October 28, 2021**.

The workshop is aligned to the special issue '***Multiscale Food Structures and FoodOmics***' that will be published in the journal Magnetic Resonance in Chemistry. Presenters at the workshop will be authors who have contributed to the content of the special issue.

You are therefore invited to submit manuscripts for the special issue '***Multiscale Food Structures and FoodOmics***'. A main objective of the workshop is to provide young scientist a platform for presenting and discussing their work with peers.

The scope of the special issue comprises food structure and/or food metabolites as these critically determine sensorial and nutritional attributes of foods systems and their assessment is important for designing technologies to modify biofunctionality, texture and digestion. An objective of this special issue is to emphasize the potentials of magnetic resonance (MR) techniques for the characterization of food structures on different length scales and under dynamic conditions such as temperature, shear, mass transport. Next we will wellcome foodomics studies on spatial distribution of metabolites and molecules, investigations of bioactive metabolites or constituents, the use of multidimensional NMR spectroscopy, multiple and/or advanced techniques, as well as studies focused on method development, novel data acquisition, data analysis and processing, e.g. using machine learning or other cutting-edge techniques.

First come, first serve and deadline for submission of manuscripts is October 1, 2021. For evaluation of manuscript eligibility, please contact guest editor Prof. John Van Duynhoven, email: john.vanduynhoven@wur.nl or Prof. Hanne C. Bertram, email: hannec.bertram@food.au.dk

The interactive on-line workshop is organized by the Scientific advisory board of MRFOOD (https://www.foodmr.org).