

Resume Prof. Christophe M. Courtin

Dr. Christophe Courtin is full professor of Food Biochemistry at the Laboratory of Food Chemistry and Biochemistry at KU Leuven, Leuven, Belgium.

His **research** focuses on cereal starch and non-starch carbohydrates and dietary fiber, the enzymes that degrade them and yeast in cereal processing. Dietary fibres under study are arabinoxylans, arabinoxylan-oligosaccharides, fructans, and, more recently, cellulose and beta-glucan. Cereal bran as a dietary fibre rich byproduct from roller milling or as part of whole meal is equally studied. The emphasis is on basic understanding of the structure and properties of these carbohydrates (as individual molecules and as components of complex 3D structures) as well as on their technological and health functionality in cereal based processes and products, using, amongst others, molecular biology as a tool. The yeast research line focusses on the interaction between yeast and dough at the level of dough rheology, fermentation substrates, enzymes, inhibitors, aroma, end product quality and nutrition. **Expertise** and an extensive network in this area have been build up over the past two decades through a multitude of PhD's (33 + 11 ongoing), projects and national and international collaborations. At a national level, Christophe took part in and coordinated successive strategic basic research projects. He participated in European integrated research projects in the consecutive Framework Programmes (Gemini, Solfibread, Healthgrain, Biocore). Since 1998, Christophe (co-)authored over 290 peer reviewed **papers**, cited over 10,000 times (WoS h-index: 52). He filed **patents** in 10 patent families.

He was **program chair** of the 2010 Annual Meeting of AACC International (Charlotte, USA), co-chair of the 2013 Cereals & Europe Spring Meeting (Leuven, Belgium) and member of scientific committees of over 12 international meetings. He took up several **leadership roles** within the university context, the latest one being **vice dean** of his faculty, and in other (international) organizations.

Awards include the Young Scientist Research Award (AACC International, 2008), the W.F. Geddes Memorial Lectureship Award (AACC International, 2010), the Octaaf Callebautprijs (KVABWK, 2010) and Fellow of the ICC Academy (ICC, 2014).

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