

## LIST OF POSTERS

### Session 1- Food process-structure relationships

- P1.01 Dry fractionation for production of functional Pea protein concentrates  
*Pascalie Pelgrom, Anne Vissers, Remko Boom, Maarten Schutyser*
- P1.02 Prediction of cellular structure and stability of fermenting wheat flour dough envisioned as a triphasic medium by a multi-scale approach  
*Arnaud Turbin-Orger, Hubert Chiron, Laurent Chaunier, Guy Della Valle*
- P1.03 Physical properties and acrylamide concentration of muffins baked in steam assisted hybrid and forced convectional ovens  
*Isleroglu H, Sakin-Yilmazer M, Kemerli T, Özdestan Ö, Üren A, Kaymak-Ertekin F, Özyurt B*
- P1.04 Industrial scale up of WP2 model yield a wide range of tomato purée texture, viscosity and colour  
*Le Page JF, Courand F, Bouhours D, Guezennec A, Kerlock L, De Broucker T, Postollec F*
- P1.05 Determination of *Alternaria* growth and mycotoxin boundaries in WP2 tomato purée model  
*Huchet V, De Girolamo A, Divanac'h ML, Lochardet A, Valerio F, Visconti A*
- P1.06 Reproducibility assessment of species-specific PCR methodology in order to monitor viable target microflora  
*Desriac N, Postollec F, Coroller L, Sohier D*
- P1.07 Optimization of operating conditions in conveyor drying of apple, banana and carrot  
*Banu KOÇ, Songül KESEN*
- P1.08 Determination of some quality parameters of turkey rolls formulated with different proportions of PSE-like (pale, soft, exudative) turkey meat and whey protein  
*Pelin Baris, Meltem Serdaroglu*
- P1.09 Equation of state and structure of highly concentrated globular protein solutions  
*Coralie Pasquier, Sylvie Beauflis, Antoine Bouchoux, Bernard Cabane, Sophie Rigault, Javier Perez, Valérie Lechevalier, Cécile Le Floch-Fouéré, Gilles Paboeuf, Maryvonne Pasco, Stéphane Pezennec*
- P1.10 Predictive modelling of vegetable texture after thermal pre-treatments and processes  
*Matthijs Dekker, Evelien Dekkers, Ruud Verkerk, Anita Jasper and Csaba Baár*
- P1.11 Crystallization of lactose in frozen sucrose solutions  
*Aleksei Kaleda, Tiina Klesment, Katrin Laos*
- P1.12 Identification of the bacterial species responsible for ropy spoilage used in the assessment of WP5 bread model applicability.  
*Palmira De Bellis, Angelo Sisto, Francesca Valerio, Stella Lisa Lonigro, Angelo Visconti, Paola Lavermicocca*
- P1.13 Generic cheese models  
*Jean-René Kerjean, Romain Richoux, Lydie Aubert-Frogerais*
- P1.14 Development of a realistic soft cheese model  
*Romain Richoux, Lydie Aubert, Jean-René Kerjean*
- P1.15 Developement of five realistic cheese models  
*Romain Richoux, Lydie Aubert-Frogerais, Jean-René Kerjean*
- P1.16 Volume digital image correlation to assess displacement field in compression loaded bread crumb under X-ray microtomography  
*Ali Moussawi, Jiangping Xu, Hedi Nouri, Sofiane Guessasma, Gilles Lubineau*
- P1.17 Food coating with electrospraying  
*Hulya Cakmak, Muhammad Kashif Iqbal Khan*

## Session 2 - Food structure – function relationships

- P2.01 Interactions between pectic compounds and procyanidins: Modulation by methylation degree and chain length.  
*Aude A. Watrelot, Carine Le Bourvellec, Anne Imberty, Catherine M.G.C. Renard*
- P2.02 Behaviour of spoilage microorganisms on DREAM model foods: the case of the spoiler *Bacillus amyloliquefaciens* in bread.  
*Valerio Francesca, Di Biase Mariaelena, Postollec Florence, Sisto Angelo, De Bellis Palmira, Visconti Angelo, Lavermicocca Paola*
- P2.03 Effect of *Lactobacillus brevis* - based bioingredient and bran on microbiological, physico-chemical and textural quality of yeast leavened bread during storage  
*Valerio Francesca, Caputo Leonardo, Di Biase Mariaelena, Ancona Nicola, Visconti Angelo, Lavermicocca Paola*
- P2.04 Formation of anisotropic structure from plant protein  
*Katarzyna Grabowska, Atze Jan van der Goot*
- P2.05 Links between cell wall polysaccharide side chains and mechanicals properties  
*Videcoq P, Assor C, Arnould O, Barbacci A, Lahaye M*
- P2.06 Influence of bread density on the kinetics of glucose absorption and insulin secretion in the context of a complete meal  
*Caroline Buffière, Hubert Chiron, Marie-Agnès Peyron, Jean-Louis Sébédio, Guy Della Valle, Didier Rémond*
- P2.07 Understanding the Role of Aeration in Food Products  
*Kathy Groves, Pretima Titoria*
- P2.08 Rat model for evaluation of gut resistance of meat originated carnosine  
*András Nagy, Emőke Szerdahelyi, Éva Gelencsér*
- P2.09 Transformation Of Sub-Cellular-Size Particles During Processing Modify The Carotenoid Diffusivity Of Tomato Purees  
*Page D, Labadie C, Renard CMGC*
- P2.10 Extrusion of barley and oat improves the bioaccessibility of dietary phenolic acids in growing pigs  
*Anastasia S. Hole, Nils Petter Kjos, Stine Grimmer, Achim Kohler, Per Lea, Bard Rasmussen, Lene R. Lima, Judith Narvhus and Stefan Sahlstrøm*
- P2.11 Microencapsulation of Pimenta dioica essential oil by k-carrageenan-chitosan complex coacervation method  
*Cristian Dima, Mihaela Cotarlet, Petru Alexe, Stefan Dima*
- P2.12 Complexes between fatty acids and native or aggregated  $\beta$ -lactoglobulin: binding properties and biological functions  
*Le Maux Solène, Brodkorb André, Giblin Linda, Bouhallab Saïd, Croguennec Thomas*
- P2.13 Integrating breadmaking process modifications in order to increase dietary fibre contents in French bread  
*Le Bleis F, Chaunier L, Chiron H, Réguerre A-L, Della Valle G*
- P2.14 Bioactive Peptides From Food Sources: Production, Biological Activity And Potential Food Applications  
*Mustafa Kemal Unal, Semih Otles, Emine Nakilcioglu, Canan Kartal*
- P2.15 Effect of sodium chloride (NaCl) and pH on the properties of a model cheese system  
*Piska I, Byrne B, Guinee TP*
- P2.16 Salt release and perception in model cheeses are influenced by salt/fat contents, microstructure and salt mobility  
*Christian Salles, Lauriane Boisard, Isabelle Andriot, Chantal Septier, Elisabeth Guichard*

- P2.17 Model mixtures for yoghurt studies  
*Robi Andoyo, Fanny Guyomarc'h, Chantal Cauty, Marie-Hélène Famelart*
- P2.18 The effect of food structure on nutrient bioaccessibility during simulated gastro-duodenal digestion  
*Mackie AR, Salt LJ, De Angelis E, Surel C, Martinez O*
- P2.19 Impact of food-processing on allergenic potential of wheat and egg proteins  
*Sandra Denery-Papini, Chantal Brossard, Colette Larré*
- P2.20 Detection of protein carbonylation in meat models  
*Jure Zupan, Carolina Realini, Peter Raspor*
- P2.21 Designing microstructure into xanthan gum enriched acid milk gels  
*Anne Rohart, Camille Michon*
- P2.22 The structure of model infant formulas modulate the lipolysis, the proteolysis and the disintegration of the matrices during in vitro gastric digestion  
*Claire Bourlieu, Olivia Ménard, Alix De Langle, Benoît Robert, Florence Rousseau, Marie-Noëlle Madec, Amélie Deglaire, Stéphane Pezennec, Frédéric Carrière, Didier Dupont, Saïd Bouhallab*
- P2.23 Binding of hydrothermally processed starch to  $\alpha$ -amylase and its relation to the kinetics of enzyme digestion  
*Patel H, Butterworth PJ, Ellis PR*
- P2.24 New antibodies to specifically detect deamidated gluten in food  
*Olivier Tranquet, Colette Larré, Sandra Denery-Papini*
- P2.25 Investigation on Deoxynivalenol, T-2 and HT-2 bioaccessibility in contaminated bread samples by using an in vitro digestion model  
*Elisabetta De Angelis, Linda Monaci, Alan Mackie and Angelo Visconti*
- P2.26 Experimentally determining forces between emulsion droplets with extraordinary precision  
*Marjorie R. Griffiths, M.A.K. Williams, Geoff R. Willmott, Kathryn M. McGrath*
- P2.27 Chemical properties of orange peel and using of as a raw material for new products  
*Fatma Coskun, Fikret Pazir*

### Session 3- Food modelling:

- P3.01 Mathematical Modeling and Thin Layer Drying of Chicken Meat Enriched Baguette Slices  
*Hulya Cakmak, Seher Kumcuoglu, Sebnem Tavman*
- P3.02 Basic knowledge models for the processing of bread considered as a solid foam  
*Guy Della Valle, Hubert Chiron, Lucio Cicerelli, Kamal Kansou, Kati Katina, Amadou Ndiaye, Martin Whitworth, Kaisa Poutanen*
- P3.03 A coupled numerical model for studying the thermal denaturation-aggregation of whey proteins  
*Plana-Fattori A, Coutouly A, Riaublanc A, Doursat C, Flick D*
- P3.04 Heat resistance of *Byssoschlamys nivea* LMSA.01.006 determined in WP2 cold break tomato purée  
*Huchet V, Lochardet A, Peauger P, Kerloc'h L, Courand F, Postollec F*
- P3.05 Food model aided design tool to optimize food model formulations, processes and storages according to microbial behaviour  
*Postollec F, Di Biase M, Desriac N, Huchet V, Fusco V, Sisto A, Valerio F, Lavermicocca P, Sohler D*
- P3.06 Prediction of *Bacillus weihenstephanensis* acid resistance using gene expression quantification  
*Desriac N, Postollec F, Leguerinel I, Coroller L, Sohler D*