



Fibres in food and feed - Biological mechanisms of energy intake Why – what - how

31 October 2013, Charon Zondervan



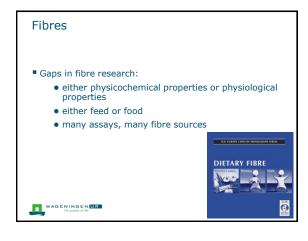




Setting up the programme

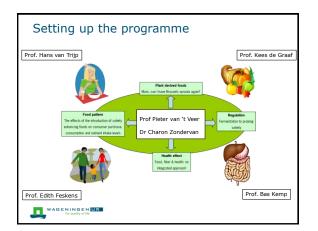
- Food intake energy regulation satiety & reward mechanisms
- Chain of science involved:
 - Consumer science product design food chemistry food physics human & animal nutrition
 - Combining "gut expertise" on humans and production animals
 - Combining curiosity driven research (8 PhD students, 4 post docs) and application oriented research (~5 fte DLO capacity)
- Focus on fibres

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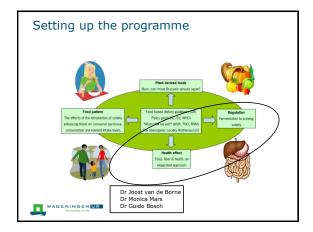


















Science driven research		
Publications	V	18 peer reviewed (IF 3.6), many books/contributions, lectures, popular media
New food & nutrition initiatives		TIFN, FoodKIC, Topsector, EU (Full4Health, EuroDish, Fibebiotics), FND, Marie Curie, VENI, FCB
Symposia	\checkmark	Yearly (internal) symposium
External Mid term review		Excellent score
Contract research		
Commercial satiety strategy		
Additional turnover	+/-	Ca. 3 M€



Education		
New master courses	\checkmark	Sensory science & eating behaviour
Molecular gastronomy		prof. Erik van der Linden
European PhD program		
Organisation		
Setting up cooperation with medical faculty		Alliantie Gelderse Vallei (prof. Frans Kok)
Chair Health and Society	\checkmark	October 2010 (prof. Maria Koelen)
Chair Health promoting bioactives		
PR & Communication	V	2 brochures, >20 press releases, periodic newsletter, website



Overall ou	utcome	
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Overall outcome 15:00 - 15:40: short presentations Contribution to (on-going) debate on physiological mode of action in relation to physicochemical properties of fibres 2/4 other PhD students graduated this summer Relying on satiety cues in food consumption : studies on the role of social context, appearance focus, and mindfulness (Thesis Evelien van de Veer) Consumer understanding, interpretation and perceived levels of personal responsibility in relation to satiety-related claims, (Els Bilman et al. Appetite 2012)

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