



<b>Algemene gegevens</b>	
PPS-nummer	AF-13501
Titel	Feasibility study for the development of a framework for safety and risk-benefit assessment for immune health interventions during different early life development stages (FELINI)
Roadmap/Koepel	Voedselveiligheid
Projectleider onderzoek (naam + emailadres)	Hilde Clossen (hilde.clossen@tno.nl)
Penvoerder (namens private partijen)	Nutricia Research/Danone
Contactpersoon overheid	n.v.t.
Startdatum	1-1-2015
Einddatum	31-12-2016
Korte omschrijving inhoud	Feasibility study FELINI on how to address benefit and safety of nutritional inventions during early life. The project aimed to investigate the feasibility, lay down the basis, identify potential data gaps and develop a program plan and consortium for a next phase in which the actual framework and guidance for risk-benefit assessment for immune health interventions during early life nutrition will be developed and validated.

<b>Highlights</b>
FELINI aimed to investigate the feasibility and possible approach for the development of a framework for safety and risk-benefit assessment for immune health interventions during early life stages. It is concluded that: (1) It is feasible to develop guidance on how to identify crucial biomarkers for early life immune nutritional interventions; (2) It is feasible to develop a riskbenefit assessment approach for immune health intervention during early life nutrition.

<b>Aantal opgeleverde producten in 2016</b>			
Wetenschappelijke artikelen	Rapporten	Artikelen in vakbladen	Inleidingen/workshops
1	1	-	2

## **Bijlage: Titels van de producten of een link naar de producten op een openbare website**

### Publications

- Kuper, C.F., J. van Bilsen, H. Clossen, G. Houben, J. Garthoff, A. Wolterbeek, 2016. Development of immune organs and functioning in humans and test animals: Implications for immune intervention studies. *Reproductive Toxicology* 64:180–190.  
<http://dx.doi.org/10.1016/j.reprotox.2016.06.002>

### Oral presentations

- J van Bilsen. How to address benefit and safety of nutritional intervention during early life. Oral presentation at Knowledge Center Food Allergy Utrecht - symposium, 29 Sept 2015, Utrecht, the Netherlands
- Van Bilsen J, Krul L, Kuper F, Wolterbeek A, Rouhani Rankouhi T, Verschuren L, Clossen H, Jeurink P, Garssen J, Knippels L, Garthoff J, Houben G, Leeman W. Risk-benefit assessment of nutritional immune interventions during early life. Oral presentation at Food Allergy and Anaphylaxis Meeting, 13-15 October 2016, Rome, Italy

### Posters

- Van Bilsen J, Krul L, Kuper F, Wolterbeek A, Rouhani Rankouhi T, Verschuren L, Clossen H, Jeurink P, Garssen J, Knippels L, Garthoff J, Houben G, Leeman W.  
Risk-benefit assessment of nutritional immune interventions during early life. European Academy of Allergy and Clinical Immunology meeting, 11-15 June 2016, Vienna, Austria