

# PEANUTS Pilot

No registrations found.

<b>Ethical review</b>	Positive opinion
<b>Status</b>	Recruiting
<b>Health condition type</b>	-
<b>Study type</b>	Interventional

## Summary

### ID

NL-OMON24388

### Source

NTR

### Brief title

PEANUTS Pilot

### Health condition

Healthy population

Food allergies (Voedselallergie)

Intestinal permeability (Darmdoorlaatbaarheid)

Detection method development for dietary protein in blood (Ontwikkeling detectivemethode voor voedingseiwit in bloed)

## Sponsors and support

**Primary sponsor:** Wageningen University

**Source(s) of monetary or material Support:** fonds = verrichter = sponsor  
Wageningen University and Research Centre (IPOP Customized Nutrition)

## Intervention

## Outcome measures

### Primary outcome

The main study outcome is the number of subjects in which Ara h6 can be detected in serum over time following peanut consumption with a sandwich ELISA.

## Secondary outcome

The secondary outcome is sensitivity of the sandwich ELISA after further optimization

## Study description

### Background summary

In this pilot study 10 healthy, normal weight male and female participants will be tested for their serum peanut protein (Ara h6) levels after intake of 100 grams of roasted peanuts. A sandwich ELISA will be developed and optimized to be able to detect Ara h6 in as many participants as possible at low detection levels.

### Study objective

In order to support allergy research, well-defined and validated methods for measuring allergens are needed. Currently, there is no such method sensitive enough to detect Ara h6 in the circulation after peanut consumption. Therefore, developing this method would be a valuable tool in the field of food allergies.

### Study design

Ara h6 will be analysed in serum sampled at baseline and 30, 60, 120, 240, and 360 min after peanut intake.

### Intervention

Intake of 100grams of roasted peanuts.

Blood sampling via venflon cannula at baseline and 30, 60, 120, 240, and 360 min after peanut intake.

## Contacts

### Public

Wageningen UR Food and Biobased Research

Lonneke Janssen Duijghuijsen  
P.O. Box 17

Wageningen 6700 AA

The Netherlands  
0317-482643  
**Scientific**  
Wageningen UR Food and Biobased Research

Lonneke Janssen Duijghuijsen  
P.O. Box 17

Wageningen 6700 AA  
The Netherlands  
0317-482643

## Eligibility criteria

### Inclusion criteria

- 20-35 year old males and females
- Body mass index (BMI) 18.5-25 k- Suitable veins for blood sampling

### Exclusion criteria

- History of peanut allergy
- Known symptoms of immune disease, such as diabetes, gastritis, and coeliac disease.
- Known symptoms of intestinal disease, such as Crohn's Disease, ulcerative colitis, and irritable bowel syndrome.
- Smoking
- Use of hard drugs
- Use of specific medicines:
- Chronic use of NSAIDs: aspirins, ibuprofen, etc.
- Drugs having an effect on gastric and/or intestinal function and motility, including antidepressants.
- Participation in other scientific studies

- Blood donation during the last six weeks before the start of the study

## Study design

### Design

Study type:	Interventional
Intervention model:	Other
Allocation:	Non controlled trial
Masking:	Open (masking not used)
Control:	N/A , unknown

### Recruitment

NL	
Recruitment status:	Recruiting
Start date (anticipated):	05-02-2016
Enrollment:	10
Type:	Anticipated

## Ethics review

Positive opinion	
Date:	04-02-2016
Application type:	First submission

## Study registrations

### Followed up by the following (possibly more current) registration

No registrations found.

## Other (possibly less up-to-date) registrations in this register

No registrations found.

## In other registers

Register	ID
NTR-new	NL4848
NTR-old	NTR5655
Other	METC Wageningen University : 15/34

## Study results