

Online course

# How Mother can Influence Offspring

**How important are the epigenetic influences on the phenotype of our offspring? During online this course the latest knowledge and insights of transgenerational (nutritional) effects for both humans and animals will be discussed. A diversity of inspiring examples seen in livestock and humans will be presented. To obtain a better understanding of these effects, we will look into the mechanisms involved and provide participants with a better understanding of nutritional and environmental maternal influences on the expression of the genome of offspring.**

## Target group

This online course is designed for professionals working in a field where fundamental knowledge and insights are needed to achieve pioneering advances with a focus on long and a healthy life both for human and animal.

## Results

The aim of this online course is for participants to refresh the theory and principles of epigenetics and in specific focus on new research insights and observed effects. After successfully attending this course participants gained basic knowledge and the latest scientific insights which allow them to apply these into their daily practise.

**Date** 5 & 6 October 2022

**Location** Online

Course leader Prof. B (Bas) Kemp & Dr. E.M. (Evert) van Schothorst, WUR

## Our approach

The topics are introduced by different experts. During the programme there is ample time to discuss issues of importance to your company/institution with the presenters, all who are experts in their particular science discipline.

The following subjects will be discussed:

- Epigenetics
- Early life stress
- Transgenerational effects
- Mechanisms of epigenesis



## Programme

Wednesday 6 October 2022 (8.45h - 13.00h)

- **Examples of transgenerational effects in livestock**  
*Prof. B. (Bas) Kemp, Wageningen University & Research*
- **Epigenetic reprogramming by immuno imprinting**  
*Prof. H. (Huub) Savelkoul, Wageningen University & Research*
- **Periconceptional environment and epigenetic programming of offspring health and productivity**  
*Prof. D. (Kevin) Sinclair, University of Nottingham*

Thursday 7 October 2022 (8.45h - 13.30h)

- **Transgenerational nutritional effects in humans and model animals**  
*Dr. E.M. (Evert) van Schothorst, Wageningen University & Research*
- **Early life stress and transgenerational effects in humans and laboratory animals**  
*Dr. A. (Aniko) Korosi, University of Amsterdam*
- **Mechanisms of epigenetics: histones and histone modification**  
*Dr. V.C.J. (Vincent) De Boer, Wageningen University & Research*
- **Epigenetics & Inheritance and Mechanisms epigenetics: DNA methylation**  
*Prof. B.T. (Bas) Heijmans, Leiden University Medical Center*

## Practical information



€ 475,- per person and covers access to the course with live interactive virtual classrooms and supporting PDF's.



Between 15 and 50 participants.



Based on your attendance you will receive a certificate after the programme is finished.

## Registration

Enrollment is possible until 30 September 2022, or if the maximum number of participants is reached. Registration is possible via [www.wur.eu/academy](http://www.wur.eu/academy).

[Register](#)

## Wageningen Academy

We develop and organise trainings and courses for professionals, based on Wageningen University & Research expertise.

## Contact

[www.wur.eu/academy](http://www.wur.eu/academy)

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