

Programme of the 4th edition, 2010

Course: Genetics and physiology of food-associated micro-organisms (GEN10)

Monday 22 – Wednesday 24 November 2010

Graduate School VLAG, Wageningen University, the Netherlands

Course director: Prof. Dr. Tjakko Abee

Monday 22 November

08.30 - 09.00	Registration	
09.00 - 10.00	Introduction / Microbial biofilms	Tjakko Abee
10.00 - 10.20	<i>Break</i>	
10.20 - 11.10	Listeria stress resistant variants	Marcel Zwietering
11.10 - 12.00	Heterogeneity in genetics and physiology of fungi	Han Wösten
12.00 - 13.00	<i>Lunch & group photo</i>	
13.00 - 13.50	Microbial responses towards (novel) food preservation	Masja Nierop-Groot
13.50 - 14.40	Stress response and virulence in food pathogens	Colin Hill
14.40 - 15.00	<i>Break</i>	
15.00 - 15.50	Next generation sequencing: application to bacteria	Sacha van Hijum
15.50 - 16.45	Genome-scale metabolic models for microbial process and strain improvement	Eddy Smid
18.30	Course dinner	

Tuesday 23 November

09.00 - 10.00	Pathogen host interactomics	Jerry Wells
10.00 - 10.20	<i>Break</i>	
10.20 - 11.10	Engineering and application of bacteriocins	Colin Hill
11.10 - 12.00	Genetics and mode of action of bacteriocins	Colin Hill
12.00 - 13.00	<i>Lunch</i>	
13.00 - 14.00	Microbial transporters	Bert Poolman
14.00 - 15.00	Fungi in food	Jan Dijksterhuis
15.00 - 15.30	<i>Break</i>	
15.30 - 16.15	Bacillus sporulation and germination heterogeneity	Robyn Eijlander
16.15 - 17.00	Anaerobic sporeformers	Marjon Wells-Bennik
17.15	Drinks & Bites	

Wednesday 24 November

09.00 - 10.00	Eco-physiology of the human GI-tract	Hauke Smidt
10.00 - 10.20	<i>Break</i>	
10.20 - 11.10	Quantification of stress responses and selection of biomarkers	Heidy den Besten
11.10 - 12.00	Microbial cell and spore activity assessment	Remco Kort
12.00 - 13.30	Lunch & Closing	