



# Jantina De Vylder

## Curriculum

2010 FELASAFD, Máster en Ciencias de Animales de Laboratorio, Universidad de Gante  
2005 Licenciatura en Medicina Veterinaria, cum laude, Universidad de Gante

Desde noviembre de 2018 Gerente de la Unidad de Negocios Avícola en BioChek  
Ago 2016 – Oct 2018 Gerente de Ventas Europa en BioChek  
2013 – 2016 Gerente de laboratorio en Poulpharm  
2011 – 2012 Gerente de Ventas en Oanagro Health and Nutrition (distribuidor BIOMIN BeNeLux)  
2007 – 2010 Investigador en la Universidad de Ghent, Tema: Salmonella Enteritidis en ponedoras alojadas en sistemas alternativos  
2005 – 2006 Médico Veterinario en Práctica Privada  
En mi función actual, soy responsable global de la cartera de productos avícolas de BioChek. Proporciono asesoramiento técnico para los productos actuales, y también trabajo en la introducción de nuevos productos. En esta función, colaboro estrechamente con los equipos de ventas, marketing e I+D.

## Resumen de la ponencia

### The Use of ATP Bioluminescence Technology to Monitor Key Aspects of Your BioSecurity Program

A well designed and executed biosecurity program is one of the most effective and cost-efficient methods to prevent the introduction and spread of infectious diseases in poultry operations. Many poultry production sites, do have a well-designed program in place related to hygiene and sanitation. But due to the fact that no on-site, real-time verification test is in place to check if implemented sanitation and hygiene procedures are well executed, failure can happen with no recourse for correction.

Adenosine triphosphate (ATP) bioluminescence technology is extensively used in the food industry as a rapid, reliable and simple tool to monitor and maintain cleanliness of surfaces. ATP is the basic energy molecule found in all living cells that allow cellular metabolism to take place. Therefore, the detection of ATP on a surface can be used as an indicator for the presence of organic material. Based on the success of this technology in the food industry, several field trials (using the Ensure® Touch luminometer and VetAssure™ ATP Surface tests) were set up to evaluate whether ATP bioluminescence technology could be adopted by poultry producers as tool to assess the cleanliness of a variety of surfaces in hatcheries and on poultry farms. In the trials conducted, multiple surfaces (such as floors, walls, setters, hatchers, ...) were tested including hands of personnel and visitors before and after washing. Results of the trials showed the ATP bioluminescence technology can be used as a quick and reliable tool to monitor the cleanliness of surfaces in poultry operations and to identify critical areas for subsequent further cleaning. Furthermore, due to the fact that is an on-site test that provides immediate, actionable results, it helps to create more awareness, to improve cleaning procedures and to increase compliance to the on-site biosecurity programs.