BIOGRAPHY

29/06/2012

Title and name
Dr. GIJS A. KLETER

Nationality
Dutch

Panel
Genetically Modified Organisms (GMO)

Education
MSc in Molecular Sciences, 1990, Wageningen University (Netherlands)
PhD in Dentistry, 1997, University of Amsterdam (Netherlands)

Scientific and risk assessment experience
Has a background in post-graduate biochemical and biomedical research
Is currently involved in research on the safety of GM foods and feeds
Is also involved in research on food safety in a broader sense, including emerging risks
Has experience with evaluating the safety of GMOs that are notified for marketing approval
Has advised national and EU authorities on the safety of foods and feeds
Participates in various international forums and committees dealing with the safety of GMOs
Contributes to international harmonization of food safety assessment, e.g. through training
Publishes in scientific journals and other media on the abovementioned topics

Main scientific publications
The main areas of recent publications include the safety of GMOs to be used as food and/or feed, as well as the early identification of emerging food safety risks.
Selected publications, in chronological order:

Kleter, G.A., Van der Krieken, W.M., Kok, E.J., Bosch, D., Jordi, W., Gilissen, L.J.W.J., 2001. Regulation and exploitation of genetically modified crops. Nature Biotechnology, 19, 1105-1110.

Kleter, G.A., Kuiper, H.A., 2002. Considerations for the assessment of the safety of genetically modified animals used for human food or animal feed. Livestock Production Science, 74, 275-285.

Kleter, G.A., Peijnenburg, A.A.C.M., 2002. Screening of transgenic proteins expressed in transgenic food crops for the presence of short amino acid sequences identical to potential, IgE - binding linear epitopes of allergens. BMC Structural Biology, 2, 8.

Kleter, G.A., Peijnenburg, A.A.C.M., Aarts, H.J.M., 2005. Health considerations regarding horizontal transfer of microbial transgenes present in genetically modified crops. Journal of Biomedicine and Biotechnology, 4, 326-352.

Kleter, G.A., Bhula, R., Bodnaruk, K., Carazo, E., Felsot, A.S., Harris, C.A., Katayama, A., Kuiper, H.A., Racke, K.D., Rubin, B., Shevah, Y., Stephenson, G.R., Tanaka, K., Unsworth, J., Wauchope, R.D., Wong, S.S., 2007. Altered pesticide use on transgenic crops and the associated general impact from an environmental perspective. Pest Management Science, 63, 1107–1115.

Kleter, G.A., Harris, C., Stephenson, G., Unsworth, J., 2008. Comparison of herbicide regimes and the associated potential environmental effects of glyphosate-resistant crops versus what they replace in Europe. Pest Management Science, 64, 479-488.

Kleter, G.A., Marvin, H.J.P., 2009. Indicators of emerging hazards and risks to food safety. Food and Chemical Toxicology, 47(5), 1022-1039.

Kleter, G.A., Groot, M.J., Poelman, M., Kok, E.J., Marvin, H.J.P., 2009. Timely awareness and prevention of emerging chemical and biochemical risks in foods: Proposal for a strategy based on experience with recent cases. Food and Chemical Toxicology, 47(5), 992–1008.

Kleter, G.A., Prandini, A., Filippi, L., Marvin, H.J.P., 2009. Identification of potentially emerging food safety issues by analysis of reports published by the European Community's Rapid Alert System for Food and Feed (RASFF) during a four-year period. Food and Chemical Toxicology, 47(5), 932-950.

Kleter, G.A., Unsworth, J.B., Harris, C.A., 2011. The impact of altered herbicide residues in transgenic herbicide-resistant crops on standard setting for herbicide residues. Pest Management Science 67(10), 1193-1210.