

# BIOGRAPHY

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**Title and name**

Prof. Dr. Ir. Claude BRAGARD

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**Nationality**

Belgian

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**Panel**

Plant Health

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**Education**

1996 PhD in Agriculture and biological engineering, UCL, Belgium

1989 Ir in agriculture (bioingénieur, ingénieur agronome), UCL, Belgium

Post-doc at SCRI, UK

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**Scientific and risk assessment experience**

Main research interest aims at understanding how bacteria & virus-(vector)-plant do interact, focussing on soil-borne and insect-borne viral diseases. To support such approaches, use of diagnostic tools for plant clinic and development of molecular detection tools.

I am member of the Belgian scientific committee of the Federal agency for the safety of the food chain, for plant health related questions. Involved in several research projects dealing with plant pathogens, both from temperate and tropical origin.

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**Representative scientific publications**

Dieyrick, B., Weyns, J., Doucet, D., Bragard, C., and A. Legrève, 2011. Acquisition and transmission of Peanut clump virus by *Polymyxa graminis* on cereal species. *Phytopathology*, 101, 10 : 1149-1158.

Desoignies, N., Stocco, C., Bragard, C. and A. Legrève, 2011. A new phenotype of *Polymyxa betae* in *Arabidopsis thaliana*. *European journal of Plant pathology*, 131, 1 : 27-38.

Claeys W., Schmit J.-F., Bragard C., Maghuin-Rogister G., Pussemier L. and B. Schiffers, 2011. Exposure Of Several Belgian Consumer Groups To Pesticide Residues Through Fresh Fruit And Vegetable Consumption. *Food Control* 22, 508-516

Dieryck B., Delfosse Ph., Reddy A.S., and C. Bragard, 2010. Targetting highly conserved 3'-untranslated region of pecluviruses for sensitive broad-spectrum detection and quantification by RT-PCR and assessment of phylogenetic relationships, *Journal of Virological Methods*, 169, 2010, p. 385-390.

Monde G., Walangululu J., Winter S., and C. Bragard, 2010. Dual infection of cassava begomoviruses in two leguminous species (Fabaceae) in Yangambi Northeastern Democratic Republic of Congo, Archives of Virology, 155.

Maraite H., Bragard C. and A. Legrève, 2010. Plant clinics and phytopathology training. In : Knowledge and Technology Transfer for Plant Pathology. Hardwick, N., Gullino, M.L. eds., Vol. 4 : Plant Pathology in the 21st century, pp. 75-90.

Crutzen, F., Mehrvar, M., Gilmer, D. and C. Bragard, 2009. Full-length infectious clone of *Beet soil-borne virus* indicates the dispensability of the RNA-2 for virus survival *in planta* and symptom expression on *Chenopodium quinoa* leaves. Journal of General Virology, 90, 12 : 3051-3056

Vaianopoulos, C., Legrève, A., Moreau, V. and C. Bragard, 2009. Broad-spectrum detection and quantitation methods of Soil-borne cereal mosaic virus isolates. Journal of Virological Methods, 159 : 229-232.

Hanssen, I. M., A. Paeleman, L. Wittemans, K. Goen, B. Lievens, C. Bragard, A. C. R. C. Vanachter, and B. P. H. J. Thomma. 2009. Pepino mosaic virus isolates and differential symptomatology in tomato. *Plant Pathology*, 58 : 450-460.

Michelante D., Leicher J., Huyshauwer V., Swillens L., Bragard C., and S. Steyer, 2009. Potato spindle tuber viroid (PSTVD) : situation in Belgium and experience on managing monitoring and eradication in ornamental and tomato productions. EPPO Bulletin, 39, 2009, p. 81.

Mehrvar, M., Valizadeh, J., Koenig, R., and C. Bragard, 2009. Iranian beet necrotic yellow vein virus (BNYVV) pronounced diversity of the p25 coding region in A-type BNYVV and identification of P-type lacking a fifth RNA species. Archives of Virology, 154 : 501-506.

Crutzen, F., Kreit, M. and C. Bragard, 2009. The Beet virus Q coat protein Readthrough is longer, with two transmembrane domains. Journal of General Virology, 90 : 754-758.

Hanssen, I. M., A. Paeleman, L. Wittemans, K. Goen, B. Lievens, C., Bragard, A. C. R. C. Vanachter, and B. P. H. J. Thomma. 2008. Genetic characterization of *Pepino mosaic virus* isolates from Belgian greenhouse tomatoes reveals genetic recombination.

Yilmaz, N. D. K., A. Meunier, J. F. Schmit, A. Stas, and C. Bragard. 2007. Partial nucleotide sequence analysis of Turkish isolates of Beet necrotic yellow vein virus (BNYVV) RNA-3. *Plant Pathology* 56 (2):311-316.

Vaianopoulos, C., Legrève, A., Moreau, V., Steyer, S., Maraite, H., and C. Bragard, 2006. High incidence of *Wheat spindle streak mosaic virus* on wheat in Belgium. *Plant Disease*, 90 : 723-728.

Schirmer, A., Link, D., Cognat, V., Moury, B., Beuve, M., Meunier, A., Bragard, C., Gilmer, D., and O., Lemaire, 2005. Phylogenetic analysis of isolates of *Beet necrotic yellow vein virus* collected worldwide. Journal of General Virology, 86 : 2897-2911.

Meunier, A., Schmit, J-F., Stas, Kutluk, N., and C. Bragard, 2003. Multiplex reverse transcription-PCR for simultaneous detection of *Beet Necrotic Vein Virus*, *Beet Soilborne Virus* and *Beet Virus Q* and their vector *Polymyxa betae* KESKIN on sugar beet. *Applied and Environmental Microbiology*, 2356-2360.

Birch, P.R.J., Hyman, L.J., Taylor, R., Opio, A.F., Bragard, C., and I.K. Toth, 1997. RAPD PCR-based differentiation of *Xanthomonas campestris* pv. *phaseoli* and *Xanthomonas campestris* pv. *phaseoli* var. *fuscans*. *European Journal of Plant Pathology* 103 : 809-814.

Bragard, C., Singer, E., Alizadeh, L., Vauterin, L., Maraite, H., and J. Swings, 1997. *Xanthomonas translucens* from small grains : diversity and phytopathological relevance. *Phytopathology*, Vol. 87(11), 1111-1117.

Bragard, C., Verdier, V., and H. Maraite, 1995. Genetic diversity among *Xanthomonas campestris* strains pathogenic for small grains. *Applied and Environmental Microbiology*, 61, 3 : 1020-1026.

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