

PERSONAL INFORMATION

Johanna Wesselina Roenhorst



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Sex F | Date of birth 25/01/1959 | Nationality Netherlands

POSITION

Senior Scientific Officer – Group Leader Plant Virology

WORK EXPERIENCE

1989-present

Group leader Plant Virology, National Reference Centre Plant Health

Netherlands Food and Consumer Product Safety Authority –National Plant Protection Organization

Geertjesweg 15, P.O. Box 9102, 6700 HC Wageningen, the Netherlands

Website: <https://www.nvwa.nl/>

Tasks

- Diagnoses and Quality management in Plant Virology (ISO 17025 accreditation)
- Collection of Plant Viruses
- Test development and validation
- Biological and epidemiological research
- International diagnostic protocols
- Pest risk assessment
- Post-entry quarantine testing procedures
- Technical advice for national and international phytosanitary affairs
- Training inspectors, technicians, researchers
- Director EU Reference Laboratory in Plant health on Viruses, Viroids and Phytoplasmas

Business or sector Plant Health

EDUCATION AND TRAINING

1985-1989

PhD Agricultural Sciences

Wageningen University, Wageningen, the Netherlands

- Plant Virology: Thesis 'Early stages in cowpea chlorotic mottle virus infection'

1977-1985

MSc Biology *cum laude*

Utrecht University, Utrecht, the Netherlands

- Biochemistry
- Theoretical and practical education - Upper secondary teaching qualification

1971-1977

Pre-university education

Ulenhof College, Doetinchem, the Netherlands

- Science-math based profile

PERSONAL SKILLS

Mother tongue(s)

Dutch

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B1	B1	B1	A2	A1
French	A1	A1	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user

Communication skills

- Good communication skills gained through experience as researcher and technical expert, training in theoretical and practical education (Utrecht University, 1983) and additional training (see courses).

Organisational / managerial skills

- Leadership (currently responsible for a team of 9 people), acquired by experience and participation of training courses
- Project management, acquired by experience (coordination and participation in various international research projects) and training on project management (Kernconsult, 2002)

Job-related skills

- ISO 17025 audits (qualification 2009)
- Training and capacity building in Plant Virology (national and international)
- Development of customized training courses
- Expert in international technical missions, e.g. China (2011, 2015)
- Drafting international diagnostic protocols and other standards
- Co-promotor PhD thesis JTJ Verhoeven (2010)
- Member thesis committee PhD thesis M Verbeek (2013)

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Basic user	Independent user	Basic user

Levels: Basic user - Independent user - Proficient user

Other computer skills

- Good command of office suite (word processor, spread sheet, presentation software)

ADDITIONAL INFORMATION

Publications (last 5 years)

- Olmos A et al. (2018) High throughput sequencing technologies for plant pest diagnosis: challenges and opportunities. EPPO Bulletin (online) <https://onlinelibrary.wiley.com/doi/epdf/10.1111/epp.12472>
- Roenhorst JW, De Krom C, Fox A, Mehle N, Ravnikar M, Werkman AW (2018). Ensuring validation in diagnostic testing is fit for purpose: a view from the plant virology laboratory. EPPO Bulletin 48, 105-115
- Verhoeven JThJ, Vulling GWM, Voogd JGB, Janssen FJA, Roenhorst JW (2018) Potato germplasm poses the highest risk of introducing potato spindle tuber viroid in potatoes in the Netherlands: analysis and evaluation of an outbreak in potato breeding. European Journal of Plant Pathology 151, 201-211
- Roenhorst JW, Lacomme C, Nisbet C, Leichtfried T, Menzel W, Winter S, Van der Vlugt RAA, (2017) Euphresco project VirusCollect – fulfilling the need for a common collection of plant viruses and viroids for reference. EPPO Bulletin 47, 41-47
- Verhoeven JThJ, Koenraadt HMS, Westenberg M, Roenhorst JW (2017) Characterization of tomato apical stunt viroid isolated from a 24-year old seed lot of Capsicum annum, Archives of Virology 162, 1741-1744
- Verhoeven JThJ, Meekes ETM, Roenhorst JW, Flores R, Serra P (2017) Dahlia latent viroid. In Hadidi A, Flores R, Palukaitis P, Randles J. (Eds.) Viroids and Satellites. Oxford: Academic Press. pp. 211-216
- Hassani-Mehraban A, Westenberg M, Verhoeven JThJ, Van de Vossenberg BTL, Kornelink R, Roenhorst JW (2016) Generic RT-PCR tests for detection and identification of tospoviruses. Journal of Virological Methods 233, 89-96
- Verhoeven JThJ, Westenberg M, van Ede EPM, Visser K, Roenhorst JW (2016) Identification and eradication of potato spindle tuber viroid in dahlia in the Netherlands. European Journal of Plant Pathology 146, 443-447
- Verhoeven JThJ, Voogd JGB, Strik N, Roenhorst JW (2016) First report of Potato spindle tuber viroid in vegetatively propagated plants of Capsicum annum in The Netherlands. New Disease Reports 34, 12
- Gaag DJ van der, Colon L, Hoop MB de, Roenhorst JW, Tjou-Tam-Sin, NNA (2015) Pest Risk Analysis EU internal movement of true potato seed (TPS) of registered TPS varieties: probability of association of regulated pests and analysis of risk reduction options. <https://english.nvwa.nl/topics/pest-risk-analysis/evaluation-of-pest-risks>
- Verhoeven JThJ, Roenhorst JW, Hooftman M, Meekes ETM, Flores R, Serra P. (2015) A pospiviroid from symptomless portulaca plants closely related to iresine viroid 1. Virus Research. 205, 22-26
- Botermans M, Van de Vossenberg BTLH, Verhoeven JThJ, Roenhorst JW, Hooftman M, Dekter R & Meekes ETM (2013) Development and validation of a real-time RT-PCR assay for generic detection of pospiviroids. Journal of Virological Methods 187, 43– 50
- Roenhorst JW, Boonham N, Winter S, Menzel W & Van der Vlugt RAA (2013) The plant viruses and viroids database and collections of Q-bank. Bulletin OEPP/EPPO Bulletin 43 (2), 238–243
- Roenhorst JW, Botermans M & Verhoeven JThJ (2013) Quality control in bioassays used in screening for plant viruses. Bulletin OEPP/EPPO Bulletin 43 (2), 244–249
- Verhoeven JThJ, Meekes ETM, Roenhorst JW, Flores R & Serra P (2013) Dahlia latent viroid: a recombinant new species of the family Pospiviroidae posing intriguing questions about its origin and classification. Journal of General Virology 94, 711-719
- List of publications before 2013 available on request.

Presentations (last 5 years)

- Roenhorst JW, Werkman AW 'A flexible scope on phytosanitary diagnostics', Information for phytosanitary inspection services, Wageningen (2017)
- Roenhorst JW. Next generation sequencing in the phytosanitary domain. Visit Mr Li Yongming, Mr Cun Dongyi, Mrs Gao Jing (CIQ Kunming, Yunnan, China), Wageningen, the Netherlands (2017)
- Roenhorst JW. VirusCollect and Q-bank. Kick-off meeting Euphresco projects NGS-detect and VirusCollect II. Julius Kühn-Institut, Braunschweig, Germany (2016)
- Roenhorst JW. VirusCollect II. Kick-off meeting Euphresco projects NGS-detect and VirusCollect II. Julius Kühn-Institut, Braunschweig, Germany (2016).
- Verhoeven JThJ, Vullings GWM, Janssen FJA, Roenhorst JW. Lessons learned from potato spindle tuber viroid infections in potato plants in the Netherlands. 16th EAPR Virology section and 8th PVYWIDE meeting, Ljubljana, Slovenia, (2016)
- Hassani-Mehraban A, Westenberg M, Verhoeven JThJ, van de Vossenberg BTLH, Kormelink R & Roenhorst JW. Generic RT-PCR tests for detection and identification of Tospoviruses. Fifth Conference International Working Group on Legume and Vegetable Viruses, Haarlem, the Netherlands (2015)
- Roenhorst JW. National Reference Centre & Role of Q-bank database and virus collections in Quality control, CIQ, Kunming, China (2015)
- Roenhorst JW. Q-bank Plant Viruses & Viroids Database & Collection. 15th Triennial Meeting EAPR Virology Section, Antalya, Turkey (2013)
- Several poster presentations and contributions to papers presented by others

Projects (last 5 years)

- Euphresco project POVIRDET, development of detection methods for viruses on potato (PVT, APMoV, APLV and APMMV) and test performance study (2018-present)
- Euphresco project NGS-detect, the application of next-generation sequencing technology for the detection and diagnosis of non-cultural organisms: viruses and viroids (2016-present)
- Coordinator Euphresco projects VirusCollect I and II, building an international network of reference collections for regulated and other important plant viruses and viroids (2014-2016; 2016-present)
- COST Action DIVAS, Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture (2015-present)
- Pest Risk Analysis EU internal movement of true potato seed (TPS) of registered TPS varieties (2014-2015)
- Euphresco project BUILD Bilateral Upskilling and Inter Laboratory Development between United Kingdom and the Netherlands (2013-2016)

Conferences (last 5 years)

- COST DIVAS conferences, Ljubljana, Slovenia (2015), Thessaloniki, Greece (2016), London, United Kingdom (2016), Olomouc, Czech Republic (2017), Bari, Italy (2017), Porec, Croatia (2018)
- 16th Triennial Meeting European Association for Potato Research (EAPR) Virology section and 8th PVYWIDE meeting, Ljubljana, Slovenia (2016)
- 5th Conference International Working Group on Legume and Vegetable Viruses, Haarlem, the Netherlands (2015)
- Euphresco BUILD Fellowship meeting, York, United Kingdom (2015)
- 15th Triennial Meeting EAPR Virology Section, Antalya, Turkey (2013)

Honours and awards

- Euphresco scientist of the month February 2018

Memberships

- EPPO Diagnostic panel on Virology and Phytoplasmology (since start in 2012)

Courses

- Media training, Brainbox, Hilversum, the Netherlands (2012)
- Training NEN-EN-ISO/ISEC 17025:2005 (2009)
- Coachend Leiderschap; modules leadership and coaching, competence development, group coaching, School voor Coaching, Leiden, the Netherlands (2006-2007)
- Didactic skills (Stoas, Wageningen, the Netherlands (2006)
- Presentation Skills,(Excel Training Services, Wageningen, the Netherlands (1997)