



NOMINEE DETAILS AND SUMMARY OF EXPERTISE: AUTHORS FOR DIAGNOSTIC PROTOCOLS

This template must be completed for all nominees and returned to the Secretariat together with the candidate's curriculum vitae.

PERSONAL DETAILS	
Name	Christophe Lacomme
Country / organisation	UK / SASA – The Scottish Government
Current position	Senior Virologist
Contact details	Address: Virology & Zoology, SASA, Roddinglaw road, Edinburgh, EH12 9FJ. Scotland, UK. Telephone number: ++44(0)131 2448916 Fax: +44(0)131 2448940 Email address: christophe.lacomme@sasa.gov.scot
SPECIFIC EXPERTISE REQUIRED (COMPLETE ALL ROWS)	
Diagnostic protocol for which the expert is being nominated (multiple options are possible):	<input type="checkbox"/> <i>Amaranthus palmeri</i> (2019-006) <input type="checkbox"/> <i>Solanum rostratum</i> (2019-007) <input checked="" type="checkbox"/> Pospiviroid species (except <i>Potato spindle tuber viroid</i> (DP 7)) (2018-031) <input type="checkbox"/> <i>Acidovorax avenae</i> subsp. <i>citrulli</i> (2018-032) <input type="checkbox"/> <i>Moniliophthora roreri</i> (2019-005) <input type="checkbox"/> <i>Meloidogyne mali</i> (2018-019) <input type="checkbox"/> <i>Cronartium comandrae</i> (2018-015)
Specific expertise in taxonomy and/or molecular diagnostics of the relevant pest	Expertise in molecular taxonomy of plant viruses, development and use of molecular techniques to identify and characterise novel RNA plant viruses following ICTV nomenclature. Expertise in determining taxonomic relationships of RNA plant viruses and virus-like organisms by using sequence comparisons approaches such as pairwise sequence similarity and phylogenetic relationships.
Practical expertise related to the pest (detection, identification, isolation etc.)	Practical expertise in RNA extraction/isolation of RNA viruses and viroids in a range of matrices and plant hosts. Extensive practical use and development of molecular methods for the detection and identification of RNA viruses and viroids, these include: Northern blotting techniques, electron microscopy, real-time PCR, end-point PCR (species specific and genera-specific), Sanger sequencing, oligonucleotides primer design, phylogenetic analysis of plant viruses and virus-like organisms. Theoretical knowledge of next generation sequencing methods for the unbiased detection and identification of viruses and virus-like organisms in solanaceous hosts.
Expertise with quarantine diagnostics, including using diagnostic protocols for regulated pests	Expertise in diagnostic (detection and identification) of quarantine and regulated non-quarantine (RNQ) viruses infecting potato and other solanaceous hosts using diagnostic protocols. Expertise in diagnostic (detection and identification) of quarantine and regulated non-quarantine (RNQ) viruses of horticultural crops and ornamentals. Expertise in the implementation of ISO17025 accredited diagnostic methods for the diagnostic (detection and identification) of quarantine and regulated non-quarantine (RNQ) viruses.
Expertise with drafting diagnostic protocols	<ul style="list-style-type: none"> Expertise in writing EPPO standards: lead author on EPPO standard PM7 on the diagnostic of Pospiviroids (genus <i>Pospiviroid</i>).



(e.g. regional diagnostic protocols)	<ul style="list-style-type: none"> Expertise in reviewing numerous EPPO diagnostic standards for regulated pests as the UK representative to EPPO panel on Diagnostic in Virology and Phytoplasmaology since 2011.
Expertise with development of novel diagnostic methods	<ul style="list-style-type: none"> Development of molecular techniques to identify and characterise novel RNA plant viruses (potato yellow blotch virus, a new species of the genus potyvirus). Development of molecular techniques to identify potato-infecting viruses (Potato virus A, Potato virus V) by real-time PCR and Sanger sequencing.
Elements demonstrating a strong working knowledge of English	<ul style="list-style-type: none"> Member of EFSA (European Food Safety Authority) panel on Plant Health and working group on the Pest categorisation of non-EU viruses and viroids of potato. Publication of nine EFSA Scientific Opinion. Nominated Member of editorial Board of <i>Journal of Virological Methods</i>. Editor of <i>Potato virus Y: biodiversity, pathogenicity, epidemiology and management</i>. C Lacomme et al eds. Springer USA. 2017 Editor of <i>Methods in Molecular Biology - Plant Pathology - Techniques and Protocols</i>. 2nd edition. C Lacomme eds. Springer USA. 2015.

PROFESSIONAL BACKGROUND - SUMMARY OF WORK EXPERIENCE

(Add more rows as necessary. Do not include full details here, details can be included in the CV)

	Year started	Year finished	Job title	Organisation	Key duties (list only the duties most relevant to the nomination)
1	2009	On-going	Senior Virologist. Virology team leader.	SASA – The Scottish Government	1. Diagnostic of regulated viruses infecting potatoes in support of seed crop certification, diagnostic of regulated viruses of plants of horticultural interest. 2. Applied research on epidemiology, genetic diversity and pathogenicity of potato-infecting viruses. 3. UK advisor on European plant health bodies EPPO and EFSA. UK representative of EPPO panel “Diagnostics of Viruses and Phytoplasmas” since 2011.
2	2007	2009	Senior Research Scientist.	The University of Edinburgh	Research studies on the molecular and cellular biology approaches to characterize viral replication bodies and the molecular basis of viral RNA trafficking.
3	2002	2007	Principal Investigator . Team leader	The James Hutton Institute (formerly known as SCRI)	1. Research studies on the mechanism and use of virus-induced gene silencing to study plant-pathogens interactions in model and crop species. 2. Acting Programme Leader, Cell-to-Cell Communication Programme.

RELEVANT EDUCATION AND TRAINING

Education/ Academic qualifications/ Professional training (list only those relevant to the nomination)	<ul style="list-style-type: none"> PhD in Plant Molecular and Cellular Biology. University Paul Sabatier-INRA-CNRS, Toulouse, France (1996). Trained ISO17025 auditor for serological and molecular diagnostic methods of regulated viruses and virus-like organisms.
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Other language skills	French (mother language).
PUBLICATIONS	
List publications and keynote speaking engagements (list only those relevant to the nomination and do not include copies of publications)	<ul style="list-style-type: none">• Lacomme C (lead author), Botermans M, Roenhorst JW, Faggioli F. PM7 EPPO standard: Pospiviroids (genus Pospiviroid). Country consultation stage.• EFSA Panel on Plant Health (PLH) Bragard C, Dehnen-Schmutz K, Gonthier P, Jacques MA, Anton J, Miret J, Fejer Justesen A, MacLeod A, Magnusson CS, Milonas P, Navas-Cortes JA, Parnell S, Potting R, Reignault PL, Thulke HH, van der Werf W, Civera AV, Yuen J, Zappalà L, Candresse T, Lacomme C, Bottex B, Kaluski T, Oplaat C, Roenhorst A, Schenk M, Di Serio F. (2020). List of non-EU viruses and viroids infecting potato (<i>Solanum tuberosum</i>) and other tuber-forming <i>Solanum</i> species. EFSA Journal, Volume 18, Issue 1.• EFSA Panel on Plant Health (PLH) Bragard C, Dehnen-Schmutz K, Gonthier P, Jacques MA, Anton J, Miret J, Fejer Justesen A, MacLeod A, Magnusson CS, Milonas P, Navas-Cortes JA, Parnell S, Potting R, Reignault PL, Thulke HH, van der Werf W, Civera AV, Yuen J, Zappalà L, Candresse T, Lacomme C, Bottex B, Kaluski T, Oplaat C, Roenhorst A, Schenk M, Di Serio F. (2020). Pest categorisation of non-EU viruses and viroids of potato. EFSA Journal, Volume 18, Issue 1.• Nisbet C, Monger WA, Ross S, Holmes RF, Nova Y, Thomson C, Goodfellow HA, Lacomme C, Jeffries CJ. 2019. Biological and molecular characterization of Potato yellow blotch virus, a new species of the genus Potyvirus. Plant Pathology. 68(2):251-260.• Massart S, Candresse T, Gil J, Lacomme C, Predajna L, Ravnikar M, Reynard J-S, Rumbou A, Saldarelli P, Škorić D et al. 2017. A Framework for the Evaluation of Biosecurity, Commercial, Regulatory, and Scientific Impacts of Plant Viruses and Viroids Identified by NGS Technologies. Frontiers in Microbiology. 8:45.• 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, Volume 47, Issue 1. https://doi.org/10.1111/epp.12353• Lacomme C, Holmes R, Evans F. Molecular and serological methods for the diagnosis of viruses in potato tubers. Methods Mol Biol. Plant Pathology - Techniques and Protocols. 2015;1302:161-76.• Lacomme C. Editor Methods Mol. Biol. Plant Pathology - Techniques and Protocols 2nd edition. Springer USA.