

# CURRICULUM VITAE

**ADRIAN RICHARD FOX Bsc(Hons) PhD CBiol MRSB SPHP**

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## EDUCATION

1992-1996 The Nottingham Trent University  
BSc (Hons) Applied Biology (Plant and Environmental Science)  
Diploma in Professional Scientific Skills (Distinction)

2018-2019 The University of Warwick  
PhD Life Sciences by published works

## PROFESSIONAL EXPERIENCE

2008 -Present Fera Science Ltd, York, UK

Principal Plant Virologist

- Lead virology diagnostician with responsibility for delivering a high-quality virology diagnostic service to Defra plant health division (NPPO).
- Managing the use of both novel and traditional diagnostic techniques to provide comprehensive range of virus testing.
- Assessing the importance of a range of plant viruses as plant health pests to UK agriculture and horticulture.
- Developing applications for the use of Next Generation Sequencing for front line plant virus diagnostics.
- Generating project ideas and obtaining research funding for applied research programmes.
- Project leader of multiple research projects including the discovery, characterization and epidemiology of novel viruses

2001-2008 Scottish Agricultural Science Agency, Edinburgh, UK

Virology Laboratory Manager

- Lead virology diagnostician managing virus diagnostic support to the Scottish Seed Potato Classification Scheme.
- Managing long term research field trials to investigate the timing of transmission and main vectors of potato viruses.
- Evaluation and validation of new diagnostic methods to improve service delivery to Scottish seed potato industry.

1997-2001 Scottish Agricultural Science Agency, Edinburgh. UK

Invertebrate Diagnostician

- Identification and enumeration of aphids from suction trap catches.
- Identification and enumeration of nematodes from agricultural soils including cyst forming and free-living nematodes.

## CURRENT PROJECT GRANTS

Project title	Funding source	Amount	Period	Role
CALIBER	BBSRC	£2.25m	2020-2023	PI
Baselining reservoirs of plant viruses	Euphresco	£60,000	2021-2023	Co-I
VirusCurate	Euphresco	£60,000	2020-2022	PI
Using LAMP for detection of ToBRFV (FPPH/PE035)	Defra/AHDB cofund	£60,000	2021-2022	PI
Investigating the timing of transmission of carrot viruses to improve management strategies (FV460)	AHDB	£146,000	2019-2023	PI
Generic approaches to surveillance and assessing impact of virus diseases in UK horticultural crops (FV459)	AHDB	£156,000	2019-2023	PI

## KEY SKILLS AND EXPERIENCE

- 25+ years' experience of managing and delivering diagnostics and research for plant viruses and viroids in a National Plant Protection Organisation laboratory
- Provision of plant virus diagnostics to meet statutory and industry requirements
- Lead virologist on multidisciplinary research projects covering diagnostics and epidemiology of both domestic and quarantine plant viruses and viroids
- The evaluation, validation and application development of novel virus diagnostic methods
- Co-supervision of 5 successful PhD students, with a further 3 current PhD students.
- Author or co-author of over 70 publications including publications in peer reviewed journals, new disease reports, book chapters, and technical research reports.
- Co-author on 2 EFSA scientific opinion risk assessments as a member of an external expert working group.

## MEMBERSHIP OF PROFESSIONAL BODIES AND MEASURES OF ESTEEM

- Chartered Biologist (MRSB CBiol) and Registered Senior Plant Health Professional (SPHP), Royal Society of Biology
- Chair of the Virology Section, European Association of Potato Research (EAPR)
- Committee Member of the International Committee on Plant Virus Epidemiology (ICPVE)
- Member of the British Society for Plant Pathology (BSPP)
- Member of the American Phytopathological Society (APS)
- Former member of the virology division committees of the Association of Applied Biology (AAB) and the Microbiology Society
- Editor of *New Disease Reports*; Associate Editor of the *Journal of Plant Pathology*; Guest Editor of a plant virus epidemiology special edition of *Virus Research*; Editor of special issue of MDPI *Viruses*
- Regularly review for: *Plant Pathology*, *Phytopathology*, *Plant Disease*, *European Journal of Plant Pathology*, *Virological Methods*, *Potato Research*.

## PUBLICATION RECORD

### PEER REVIEWED PUBLICATIONS

- Pecman A, Adams I, Gutiérrez-Aguirre I, **Fox A**, Boonham N, Ravnikar M and Kutnjak D (*in press*) Systematic comparison of nanopore sequencing and Illumina sequencing for the detection of plant viruses and viroids using total RNA sequencing approach, *Frontiers in Microbiology*
- Fowkes, A; Botermans, M; Frew, L; de Koning, P; Buxton-Kirk, A; Westenberg, M; Ward, R; Schenk, M; Webster, G; Alraiss, K; Harju, V; Skelton, A; Conyers, C; Barrett, B; Adams, I; McGreig, S; **Fox, A**; Vazquez Iglesias, I (2022) First report of Tomato mottle mosaic virus in *Solanum lycopersicum* seeds in the Netherlands and interceptions in seed imported from other regions, *New Disease Reports* DOI: 10.1002/ndr2.12067
- **Fox A**, Fowkes AR, Vazquez-Iglesias I, Conyers C, Barrett B, McGreig S, Adams IP (2022) High throughput sequencing of a 42 year-old isolate of hogweed virus 4 (HV4) reveals that it is a member of the genus Chordovirus, *Journal of Plant Pathology*, <https://doi.org/10.1007/s42161-022-01117-y>
- Ward R, Fowkes AR, Conyers C, McGreig S, Pufal H, Skelton A, Frew L, Adams IP, Reed M, **Fox A** (2022) First report of Spinach latent virus in tomato in the United Kingdom. *New Disease Reports* <https://doi.org/10.1002/ndr2.12062>
- Skelton A, Gentit P, Porcher L, Visage M, Fowkes A, Adams IP, Harju V, Webster G, Pufal H, McGreig S, Ward R, **Fox A** (2022) First report of Tomato brown rugose fruit virus in tomato in France, *New Disease Reports*, e12061 <https://doi.org/10.1002/ndr2.12061>
- Vazquez-Iglesias I, McGreig S, Pufal H, Robinson R, Clover GRG, **Fox A**, Boonham N, Adams IP (2022) A novel high-throughput sequencing approach reveals the presence of a new virus infecting *Rosa*: *rosa ilarvirus-1* (RIV-1). *Virological Methods*, Vol. 300 <https://doi.org/10.1016/j.jviromet.2021.114417>
- Santin Azcona J, **Fox A**, Boonham N (2022) Development of simplex and multiplex RT-qPCR assays for the detection of three cryptic viruses of black-grass (*Alopecurus myosuroides*), *Virological Methods*, Vol. 300 <https://doi.org/10.1016/j.jviromet.2021.114389>
- Fowkes A, McGreig S, Pufal H, Duffy S, Howard B, Adams IP, Macarthur R, Weekes R and **Fox A** (2021) Integrating high throughput sequencing into survey design reveals turnip yellows virus and soybean dwarf virus in pea (*Pisum sativum*) in the United Kingdom. *Viruses*. 13, (12) <https://doi.org/10.3390/v13122530>
- Fowkes A., Adams IP., Jones RAC., **Fox A.**, McGreig S., Boonham N., (2021) Genome sequencing of historic and contemporary isolates of Tomato black ring virus and Beet ringspot virus identify interspecies recombination and highlight inconsistencies in Plant Health regulations, *Plant Pathology*. <https://doi.org/10.1111/ppa.13507>
- Fowkes A., Skelton A., Frew L., Buxton-Kirk A., Forde S., Ward R., Harju V., Weekes R., **Fox A.** (2021) Potato spindle tuber viroid detected from *Solanum sisymbriifolium* seed in trade, *New Disease Reports* <https://doi.org/10.1002/ndr2.12043>
- Fuentes S, Gibbs AJ, Adams IP, Hajizadeh M, Kreuze J, **Fox A**, Arnaud Blouin A, Jones RAC (2021) Phylogenetics and evolution of potato virus V; another potyvirus that originated in the Andes, *Plant Disease*. <https://apsjournals.apsnet.org/doi/10.1094/PDIS-09-21-1897-RE>
- Redstone S and **Fox A** (2021) The biosecurity risks of seeds in a botanic garden context *Sibbaldia: The International Journal of Botanic Garden Horticulture*, (20), 147-162. <https://doi.org/10.24823/Sibbaldia.2021.341>
- Tiberini A, Fontana I, Mercati F, Adams IP, **Fox A**, Tomassoli L (2021) Complete genome sequence of a new isolate of Caper latent virus in caper *Archives of Virology* <https://doi.org/10.1007/s00705-021-05146-3>
- Buxton-Kirk A, Adams IP, Frew L, Ward R, Kelly M, Forde S, Skelton A, Harju V, Baucas NS, Bas-Ilan MAG, Joshi RC, Reeder RH, Annamalai S, **Fox A**, Fowkes A (2021) First report of

Turnip yellows virus in cabbage in the Philippines, *New Disease Reports*  
<https://doi.org/10.1002/ndr2.12020>

- Jones RAC, Barbetti MJ, **Fox A**, Adams IP (2021) Potato virus Y biological strain group YD: hypersensitive resistance genes elicited and phylogenetic placement *Plant Disease*  
<https://doi.org/10.1094/PDIS-03-21-0534-RE>
- Harju V, Skelton A, Lazenby M, Rimmer T, Buxton-Kirk A, Fowkes A, Forde S, Ward R, Frew L, Barker R, Adams IP, **Fox A** (2021) First detection, symptoms and management of Southern tomato virus in the United Kingdom *New Disease Reports* <https://doi.org/10.1002/ndr2.12014>
- Jeger M, Beresford R, Bock C, Brown N, **Fox A**, Newton A, Vicent A, Xu X, Yuen J (2021) Global challenges facing plant pathology: multidisciplinary approaches to meet the food security and environmental challenges in the mid-twenty-first century, *CABI Agriculture and Bioscience*, 2,20 <https://doi.org/10.1186/s43170-021-00042-x>
- Fuentes S, Gibbs AJ, Hajizadeh M, Perez A, Adams IP, Fribourg CE, Kreuze J, **Fox A**, Boonham N, Jones RAC (2021) The phylogeography of potato Virus X shows the fingerprints of its human vector, *Viruses*, 13(4), 644 <https://www.mdpi.com/1999-4915/13/4/644/htm>
- Jones RAC, Boonham N, Adams IP and **Fox A** (2021) Historic Virus Isolate Collections: An Invaluable Resource Connecting Plant Virology's Pre-sequencing and Post-sequencing *Eras. Plant Pathology*, 70;2, pp235-248 <https://doi.org/10.1111/ppa.13313>
- Hammond J, Adams IP, Fowkes AR, McGreig S, Botermans M, van Oorspronk JJA, Westenberg M, Verbeek M, Dullemans AM Stijger CCMM, Blouin AG, Massart S, De Jonghe K, Heyneman M, Walsh JA, **Fox A** (2021) Sequence analysis of 43-year old samples of *Plantago lanceolata* show that Plantain virus X is synonymous with Actinidia virus X and is widely distributed, *Plant Pathology*, 70; 2, pp249-58 <https://doi.org/10.1111/ppa.13310>
- Fuentes S, Gibbs AJ, Adams IP, Wilson C, Botermans M, **Fox A**, Kreuze J, Boonham N, Kehoe MA, Jones RAC (2020) Potato virus A isolates from three continents: their biological properties, phylogenetics and prehistory, *Phytopathology* 111;1, pp217-226  
<https://doi.org/10.1094/PHYTO-08-20-0354-FI>
- Vazquez-Iglesias I, Scrace J, McGreig S, Pufal H, Robinson R, Clover GRG, Adams IP, Boonham N, **Fox A** (2020) First report of rose spring dwarf-associated virus in *Rosa* spp. in the United Kingdom. *New Disease Reports* 42;13 <http://dx.doi.org/10.5197/j.2044-0588.2020.042.013>
- Vazquez-Iglesias I, Ochoa-Corona FM, Tang J, Robinson R, Clover GRG, **Fox A**, Boonham N (2020) Facing Rose rosette virus: a risk to European rose cultivation, *Plant Pathology*. Accepted early view <https://doi.org/10.1111/ppa.13255>
- **Fox A** (2020) Reconsidering causal association in plant virology. *Plant Pathology* <https://bsppjournals.onlinelibrary.wiley.com/doi/abs/10.1111/ppa.13199>
- Silvestre R, Fuentes S, Risco R, Berrocal A, Adams IP, **Fox A**, Cuellar WJ, Kreuze J (2020) Characterization of distinct strains of an aphid-transmitted ilarvirus (Fam. Bromoviridae) infecting different hosts from South America, *Virus Research*, (Early – online)  
<https://doi.org/10.1016/j.virusres.2020.197944>
- Adams IP, Fribourg C, **Fox A**, Boonham N, Jones RAC (2019) Complete Coding Sequence of *Andean potato mottle virus* from a 40-Year-Old Sample from Peru, *Microbiology Resource Announcements* Oct 2019, 8 (40) e00871-19; DOI: 10.1128/MRA.00871-19
- Skelton A, Buxton-Kirk A, Ward R, Harju V, Frew L, Fowkes A, Long M, Negus A, Forde S, Adams IP, Pufal H, McGreig S, Weekes R, **Fox A**, (2019). First report of *Tomato brown rugose fruit virus* in tomato in the United Kingdom. *New Disease Reports* **40**, 12.  
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- Jones RAC, **Fox A**, Boonham N, Adams IP (2019) Genomic sequence and host range studies reveal considerable variation within the species *Arracacha virus B*. *Archives of Virology*, <https://doi.org/10.1007/s00705-019-04395-7>
- Skelton A, Buxton-Kirk A, Fowkes A, Harju V, Forde S, Ward R, Frew L, Wagstaff O, Pearce TR, Terry J, Dickie J, Cockel C, Nyamongo DO, Aboagye LM, Wasswa JM, **Fox A** (2019)

Potato spindle tuber viroid detected in seed of uncultivated *Solanum anguivi*, *S. coagulans* and *S. dasyphyllum* collected from Ghana, Kenya and Uganda. *New Disease Reports*, 39, 23. DOI: [10.5197/j.2044-0588.2019.039.023](https://doi.org/10.5197/j.2044-0588.2019.039.023)

- Vazquez-Iglesias I, Adams IP, Hodgetts J, Fowkes AR, Forde S, Ward R, Buxton-Kirk A, Kelly M, Santin-Azcona J, Skelton A, Harju V, Boonham N, Robinson R, Clover G, **Fox A** (2019) High throughput sequencing and RT-qPCR assay reveal the presence of rose cryptic virus-1 in the United Kingdom, *Journal of Plant Pathology*. <https://doi.org/10.1007/s42161-019-00307-5>
- **Fox A**, Fowkes AR, Skelton A, Harju V, Buxton-Kirk A, Kelly M, Forde SMD, Pufal H, Conyers C, Ward R, Weekes R, Boonham N, Adams IP (2019) Using High Throughput Sequencing in support of a plant health outbreak reveals novel viruses in *Ullucus tuberosus* (Basellaceae). *Plant Pathology* 68, 576-587 <https://doi.org/10.1111/ppa.12962>
- Harju V, Forde S, Tozer H, Dible A, Buxton Kirk A, Fowkes A, Skelton A, **Fox A**, 2018. *Plantago asiatica* mosaic virus detected in *Lilium* in the UK. *New Disease Reports* 38, 25. DOI: 10.5197/j.2044-0588.2018.038.025
- Adams IP, **Fox A**, Boonham N and Jones RAC (2018) Complete genomic sequence of the potyvirus, *Mashua virus* Y, obtained from a 33-year-old mashua (*Tropaeolum tuberosum*) sample, Microbiology Resource Announcements, 7, 15, e01064-18 DOI: 10.1128/MRA.01064-18 <https://mra.asm.org/content/ga/7/15/e01064-18.full.pdf>
- Adams IP, **Fox A**, Boonham N, Massaart S, De Jonghe K, (2018) The impact of high throughput sequencing on plant health diagnostics, *European Journal of Plant Pathology*, <https://doi.org/10.1007/s10658-018-1570-0>
- Maree HJ, **Fox A**, Al Rwahnih M, Boonham N and Candresse T (2018) Application of HTS for Routine Plant Virus Diagnostics: State of the Art and Challenges. *Frontiers in. Plant Science*. 9:1082. doi: 10.3389/fpls.2018.01082
- Skelton A, Fowkes A, Adams I, Buxton-Kirk A, Harju V, Forde S, Ward R, Kelly M, Barber P, **Fox A** (2018). First report of *Prunus necrotic ringspot virus* and *Mulberry cryptic virus 1* in mulberry (*Morus alba*) in the United Kingdom. *New Disease Reports* 37, 23. <http://dx.doi.org/10.5197/j.2044-0588.2018.037.023>
- Roenhorst JW, de Krom C, **Fox A**, Mehle N, Ravnikaar M, Werkman AW (2018) Ensuring validation in diagnostic testing is fit for purpose: a view from the plant virology laboratory. *EPPO Bulletin* <https://doi.org/10.1111/epp.12445>
- Skelton A, Uzayisenga B, Fowkes A, Adams IP, Buxton-Kirk A, Harju V, Forde S, Ward R, Ritchie B, Rutherford M, Offord L, Umulisa C, Waweru B, Kagiraneza B, Karangwa P, **A Fox** (2018, In Press) First report of *Pepper vein mottle virus*, *Pepper yellows virus* and a novel *enamovirus* in hot pepper (*Capsicum* sp.) in Rwanda. *New Disease Reports* [Expected online January 2018]
- Fowkes A, Skelton A, Harju V, Adams IP, Ward R, Buxton-Kirk A, Forde S, Witham R, **Fox A**, (2017). First report of *Broad bean wilt virus 2* in *Veronica gentianoides* in the UK. *New Disease Reports*. 36, 16. <http://dx.doi.org/10.5197/j.2044-0588.2017.036.016>
- Pecman A, Kutnjak D, Gutiérrez-Aguirre I, Adams I, **Fox A**, Boonham N and Ravnikaar M (2017) Next Generation Sequencing for Detection and Discovery of Plant Viruses and Viroids: Comparison of Two Approaches. *Frontiers in Microbiology* 8:1998. doi: 10.3389/fmicb.2017.01998
- Harju V, Adams I, Flint L, Jackson L, Fowkes A, Skelton A, Forde S, Fairless N, Field C, Marsden S, Lane C, Barham E, **Fox A**, (2017) A follow-up report regarding new hosts and distribution of *European mountain ash ringspot-associated virus* in *Sorbus* spp. in England. *New Disease Reports* 36, 13. <http://dx.doi.org/10.5197/j.2044-0588.2017.036.013>
- Reeder RH, Edgington S, Baucas NS, Joshi RC, Bas-ilan MAG, Skelton A, Fowkes A, Harju V, Ward R, Kelly M, Buxton Kirk A, Forde S, **Fox A**, Annamalai S, (2017). First report of *Turnip yellow mosaic virus* in Chinese cabbage and rocket in the Philippines. *New Disease Reports* 36, 8. <http://dx.doi.org/10.5197/j.2044-0588.2017.036.008>

- **Fox A**, Mumford R.A, (2017) Plant viruses and viroids in the United Kingdom: an analysis of first detections and novel discoveries from 1980-2014. *Virus Research*, 241, pp10-18  
<http://dx.doi.org/10.1016/j.virusres.2017.06.029>
- Rozado-Aguirre Z, Adams IP, **Fox A**, Dickinson M, Boonham N. (2017) Complete sequence and genomic annotation of *Carrot torradovirus 1*, *Archives of Virology*, 162, 9, 2815-2819 doi:10.1007/s00705-017-3410-5
- **Fox A**, Rozado Z, Adams I.P, Skelton A, Dickinson M. and Boonham N. (2017). Investigating the viral causes of internal necrosis in carrot. *Acta Horticulturae*. 1153, 245-250 DOI: 10.17660/ActaHortic.2017.1153.36 <https://doi.org/10.17660/ActaHortic.2017.1153.36>
- Rozado-Aguirre Z, Marais A, Svanella-Dumas L, Faure C, Latour F, Villeneuve F, Dickinson M, **Fox A**, Boonham N, Candresse T. (2017) First report of Carrot torradovirus-1 (CaTV1), a member of the Torradovirus genus, infecting carrots in France. *Plant Disease*  
<http://dx.doi.org/10.1094/PDIS-01-17-0095-PDN>
- **Fox A**, Collins L, Macarthur R, Blackburn L.F. and Northing P. (2017) New aphid vectors and efficiency of transmission of Potato virus A and strains of Potato virus Y in the UK, *Plant Pathology*. 66, 2 pp325-335 doi: 10.1111/ppa.12561
- **Fox A**, Fowkes A, Buxton-Kirk A, Jackson L, Forde S, Ward R, MacIvor A, Harju V, Skelton A, and Adams IP, (2016) First report of *Potato aucuba mosaic virus* in *Solanum jasminoides* in the United Kingdom, *New Disease Reports*, 34, 32. <http://dx.doi.org/10.5197/j.2044-0588.2016.034.032>
- **Fox A**, Harju V, Skelton A, Jackson L, Buxton-Kirk A, Forde S, England J, Lazenby M, Suarez-Martinez F. and Adams IP. (2016) First report of Viola white distortion associated virus in *Viola tricolor* in the United Kingdom, *New Disease Reports*. 34, 1.  
<http://dx.doi.org/10.5197/j.2044-0588.2016.034.001>
- Rozado Z, Adams IP, Collins L, **Fox A**, Dickinson M, and Boonham N. (2016) Detection and transmission of Carrot torrado virus, a novel putative member of the *Torradovirus* genus, *Virological Methods*. 235, pp. 119-124 doi: [10.1016/j.jviromet.2016.05.018](http://dx.doi.org/10.1016/j.jviromet.2016.05.018)
- Hodgetts J, Flint LJ, **Fox A**, (2015) First report of '*Candidatus* phytoplasma ulmi' (16SrV-A) associated with *Ulmus* cultivar Morfeo (elm) in the United Kingdom. *New Disease Reports* 32, 26. <http://dx.doi.org/10.5197/j.2044-0588.2015.032.026>
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- Hodgetts J, Flint LJ, Davey C, Forde S, Jackson L, Harju V, Skelton A, **Fox A**, (2015). Identification of '*Candidatus* Phytoplasma fragariae' (16Sr XII-E) infecting *Corylus avellana*(hazel) in the United Kingdom. *New Disease Reports*, 32, 3.  
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- **Van der Vlugt R**, **Verbeek M**, **Dulleman A**, **Wintermantel WM**, **Cuellar WJ**, **Fox A**, **Thompson JR** (2015) *Torradoviruses*, *Annual Review of Phytopathology* 01/2015; 53 DOI: 10.1146/annurev-phyto-080614-120021
- Hodgetts J, Flint LJ, Daly M, Harju VA, Skelton AL, **Fox A**, (2015). Identification of '*Candidatus* Phytoplasma solani' (16Sr XII-A) infecting strawberry plants in the United Kingdom. *New Disease Reports* 31, 5. <http://dx.doi.org/10.5197/j.2044-0588.2015.031.005>
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- Adams I.P, Harju V.A, Hodges T, Hany U, Skelton A, Rai S, Deka M.K, Smith J, **Fox A**, Uzayisenga B, Ngaboyisonga C, Uwumukiza B, Rutikanga A, Rutherford M, Ricthis B, Phiri N.



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- Adams I. P, Miano D. W, Kinyua Z. M, Wangai A, Kimani E, Phiri N, Reeder R, Harju V, Glover R, Hany U, Souza-Richards R, Deb Nath P, Nixon T, **Fox A**, Barnes A, Smith J, Skelton A, Thwaites R, Mumford R, and Boonham N. (2013) Use of next-generation sequencing for the identification and characterization of *Maize chlorotic mottle virus* and *Sugarcane mosaic virus* causing Maize Lethal Necrosis in Kenya. *Plant Pathology*, 62:4, pp741-749 [DOI: 10.1111/j.1365-3059.2012.02690.x]
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- **Fox A**, Evans F & Browning IA (2005) Direct tuber testing for *Potato Y potyvirus* by real-time RT-PCR and ELISA: reliable options for post-harvest testing? *EPPO Bulletin* 35, pp 93-97.

## BOOK CHAPTERS

- **Fox A** (2019) Viruses and virus-like pathogens of plants. Chapter 4, Plant Diseases and Biosecurity, by Beales P, Elphinstone J, Fox A, Lane C, McCann D, Lacey T, Little J (2019), Editor Ann Fullick, Oxford Biology Primers, Oxford University Press, ISBN: 9780198827726
- Lacomme C, Pickup J, **Fox A**, Glais L, Dupuis B, Steinger T, Rolot JL, Valkonen JPT, Kruger K, Nie X, Modic S, Mehle N, Ravnikar M, Hullé M, (2017) Transmission and Epidemiology of *Potato virus Y*. Chapter 6, *Potato virus Y: biodiversity, pathogenicity, epidemiology and management*, pp 141-176
- Adams IP, **Fox A** (2016) Diagnosis of Plant Viruses Using Next-Generation Sequencing and Metagenomic Analysis. Chapter 14 in *Current Research Topics in Plant Virology* Edited by Wang A, Zhou X. Springer International Publishing, Zurich, Switzerland. ISBN 978-3-319-32917-8
- Chabirand A, Anthoine G, **Fox A**, Laurenson L, (2016) Quality assurance for molecular testing in plant health. Chapter 10 in *Molecular Methods in Plant Disease Diagnostics: principles and protocols*. Edited by Boonham N, Tomlinson J, Mumford R. published CABI, Wallingford, UK. ISBN 978 1 78064 147 8

## TECHNICAL RESEARCH REPORTS

- Skelton A, Fowkes A, Alraiss K, Hodgson R, Macarthur R, **Fox A** (2021) PE034: Understanding disease development of tomato brown rugose fruit virus (ToBRFV)
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## SCIENTIFIC OPINION RISK ASSESSMENTS

(Co-author as an external expert on behalf of the EFSA Panel on Plant Health)

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## EPPO DIAGNOSTIC STANDARDS

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