## Curriculum vitae with track record (for researchers)

 **Role in the project** Project manager [x]  Project partner [ ]
 **Personal information**

|  |  |
| --- | --- |
| First name, Surname: | Andrea Ficke |
| Date of birth:  | 19.01.1974 | Sex: | Female |
| Nationality: | German |
| Researcher unique identifier(s) (ORCID, ResearcherID, etc.): | https://orcid.org/0000-0002-3438-3842 |
| URL for personal website:  | <https://www.nibio.no/ansatte/andrea-ficke> |

 **Education**

|  |  |
| --- | --- |
| Year | Faculty/department - University/institution - Country |
| 2002(dissertation defended) | Master/PhD program: Ph.D. defense date: 15.02.2002, Ph.D. graduation date: 26.05.2002. Department of Plant Pathology and Plant-Microbe interactions at Cornell University, Ithaca, USA |

**Positions - current and previous**

|  |  |
| --- | --- |
| Year | Job title – Employer – Country |
| *2009-* | Current Position: Plant Pathologist (Researcher) at the department of Fungal Diseases in the Division of Biotechnology and Plant Health at the Norwegian Institute of Bioeconomy Research |
| 2007-2009 | Pre-breeder in the department of Cucurbitaceae at the Rijk Zwaan breeding company, De Lier, The Netherlands. |
| 2002-2004 | Post-doctoral scientist at the Department of Plant Pathology, Wageningen University, Wageningen, The Netherlands |
| 1997-2002 | Ph.D. student at the Department of Plant Pathology and Plant-Microbe interactions at Cornell University, The New York State agricultural Experiment Station in Geneva, USA |

**Career breaks**

|  |  |
| --- | --- |
| Year | Reason |
| 2004-2007 | Maternal leave, 2 children |
| 2012-2013 | Maternal leave, 3rd child |
| 2014-2015 | Maternal leave, 4th child |

**Project management experience**

(*Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)*

|  |  |
| --- | --- |
| Year | Project owner - Project - Role - Funder |
| *2012-2016* | Work package leader to develop IPM strategies to control disease in protein crops in the NRC research project on **’Increased and sustainable production of healthy and nutritious protein crops’** (project leader: Dr. Brodal). |
| *2012-2016* | Project leader for the internal strategic institute commitment on **‘PlantStrength’**, a research proposal to strengthen NIBIO’s competence in cross-disciplinary research on pathogens, weeds and pests to design effective Integrated Pest Management (IPM) strategies in cereals. |
| *2013-2016* | Work package leader to characterize Norwegian *Parastagonospora* *nodorum* and *Pyrenophora* teres population in the NRC funded project **‘Increased cereal yields through improved resistance against leaf diseases in barley and wheat’** (project leader: Dr. Lillemo). |
| *2016-2018* | Project leader for a pre-project funded by the Norwegian Agricultural directory: **Leaf diseases in Norwegian wheat**. |
| *2020-2022* | Project leader for ‘**More organically grown cereals through better soil and plant health**’, funded by the Norwegian Agricultural directory |
| *2020-2023* | Work package leader to understand the epidemiology of yellow rust in Norwegian wheat in the NRC funded research project ‘Sustainable management of rust diseases in wheat’. |

**Supervision of students**

(Total number of students)

|  |  |  |
| --- | --- | --- |
| Master's students  | Ph.D. students | University/institution - Country |
| 3 | 3 | Norwegian University of Life Sciences (NMBU), Norway |

**Other relevant professional experiences**

|  |  |
| --- | --- |
| Year | Description - Role  |
| 2020 | Monitor (Expert) for reviewing the H2020 project 773311 - RUSTWATCH |
| 2020 | Moderator for the Special Session: Management Thresholds: Risks, Challenges and Solution at the APS annual meeting August 10th-14th (digital) |
| 2018 | Organizer of the 10th annual meeting of the Nordic Baltic Resistance Action Group, discussing pesticide resistance and emerging risks in the Nordic Baltic region. Norway (08.03-09.03.2018). |
| 2017-2018 | Chair of the Nordic Baltic Resistance Action Group (NORBARAG; <https://projects.au.dk/norbarag/>) |
| 2014-2018 | Associate editor to ‘Plant Disease’ and ‘European Journal of Plant Pathology’ |
| 2018- current | Senior editor to ‘Plant Disease’ |
| 2011-current | Epidemiology committee and the Crop Loss and Risk Assessment committee to the American Phytopathological Society (APS). |
| 2013-current | Subject matter committee on Crop Loss, International Society of Plant Pathology (ISPP) |

**Track record** (as of 31.01.21, Google scholar)

* The total *number* of publications during the career: 25 refereed journal articles, total number of citations: 1411, h-index: 11, i10-index: 13

**List of publications:**

Asalf, B., **Ficke, A**. and Klingen, I., 2021. Interaction between the Bird Cherry-Oat Aphid (*Rhopalosiphum padi*) and Stagonospora Nodorum Blotch (*Parastagonospora nodorum*) on Wheat. *Insects*, *12*(1), p.35.

Willocquet, L., Meza, W.R., Dumont, B., Klocke, B., Feike, T., Kersebaum, K.C., Meriggi, P., Rossi, V., **Ficke, A**., Djurle, A. and Savary, S., 2020. An outlook on wheat health in Europe from a network of field experiments. *Crop Protection*, p.105335. <https://doi.org/10.1016/j.cropro.2020.105335>

Jalli, M., Kaseva, J., Andersson, B., **Ficke, A**., Nistrup-Jørgensen, L., Ronis, A., Kaukoranta, T., Ørum, J.E. and Djurle, A., 2020. Yield increases due to fungicide control of leaf blotch diseases in wheat and barley as a basis for IPM decision-making in the Nordic-Baltic region. *European Journal of Plant Pathology*, pp.1-19. (3 citation)

Jørgensen, L.N., Matzen, N., **Ficke, A**., Nielsen, G.C., Jalli, M., Ronis, A., Andersson, B. and Djurle, A., 2020. Validation of risk models for control of leaf blotch diseases in wheat in the Nordic and Baltic countries. Eur J Plant Pathol 157:599-613

Downie, R.C., Lin, M., Corsi, B., **Ficke, A**., Lillemo, M., Oliver, R.P., Phan, H., Tan, K.C. and Cockram, J., 2020. Septoria nodorum blotch of wheat: disease management and resistance breeding in the face of shifting disease dynamics and a changing environment. *Phytopathology*, (ja).

Lin, M., **Ficke, A.**, Cockram, J. and Lillemo, M., 2020. Genetic structure of the Norwegian *Parastagonospora nodorum* population. *Frontiers in microbiology*, *11*, p.1280. (2 citations)

**Ficke, A.,** Grieu C., Brurberg, M.B., Brodal, G. 2018.The role of precipitation, and petal and leaf infections in Sclerotinia stem rot of spring oilseed brassica crops in Norway. European Journal of Plant Pathology 152.4: 885-900. (1 citation)

**Ficke, A**., Cowger, C., Bergstrom, G., Brodal, G. 2018. Understanding yield loss and pathogen biology to improve disease management: Septoria nodorum blotch-A case study in wheat. Plant Disease 102.4:696-707. (18 citations)

S. Savary, Djurle, A., Yuen, J., **Ficke**, A., Rossi, V., Esker, P.D., Fernandes, J.M.C., Del Ponte, E.M., Kumar, J., Madden, L.V., Paul, P., McRoberts, N., Singh, P.K., Huber, L C. Pope de Vallavielle, S. Saint-Jean, and L. Willocquet. 2017. A White Paper on Global Wheat Health Based on Scenario Development and Analysis. Phytopathology 107.10:1109-1122. (9 citations)

Savary, S., **Ficke, A**., Aubertot, J. N., and Hollier, C. 2012. Crop losses due to diseases and their implications for global food production losses and food security. Food Security 4: 519-537. (483 citations)

**Fellowships, awards and prizes.**

*2012* Lee M. Hutchins Award given by the American Phytopathological Society. ‘This award honors individuals who have made an outstanding, innovative research contribution that has changed, or has the potential to change, the direction of research in any field of plant pathology’