

(N.B.: for confidentiality reasons, no names of individuals are given in this list)

Research Fellow's Nationality	Home Institution	Destination Country	Host Laboratory	Duration of Fellowship (weeks)	Proposed Studies
THEME 1					
USA	James Hutton Institute	AUS	Hawkesbury Institute for the Environment, University of Western Sydney	6	Assessing the influence of climatic variation on species interactions in grazing systems Report
USA	University of Wisconsin-Madison	ESP	IRTA-Research, Technology, Food, and Agriculture Institute of Catalonia of Spain	24	Precision feeding for improving feed efficiency of lactating dairy cattle Report
CHL	Arturo Prat University	USA	Cornell University	7	Analysis of relationships among phenological processes and abiotic parameters in California natural ecosystems given future climate change Report
USA	USDA-ARS	DEU	Julius Kuhn-Institut	8	Addressing the global challenge of antibiotic resistance: characterizing antibiotic resistance elements associated with agricultural ecosystems Report
CZE	Czech University of Life Sciences Prague	USA	University of Rhode Island, Department of Natural Resources Science	7	Can cocoa agroforestry contribute to biodiversity conservation? Report
USA	USDA-ARS	DEU	Leibniz Centre for Agricultural Landscape Research (ZALF)	8	Inter-comparison and Improvement of the RZWQM2 and HERMES models for rye cover crop growth and its effect on N loss in tile drains Report Manuscript: Winter rye as a cover crop reduces nitrate loss to subsurface drainage as simulated by HERMES http://www.sciencedirect.com/science/article/pii/S0378377417300392

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DEU	Helmholtz Centre for Environmental Research - UFZ	USA	United States Environmental Protection Agency, Mid Continent Ecology Division	20	Establishing quantitative AOP (adverse outcome pathway) links for extrapolation from in vitro to in vivo hazard assessment of pesticides Report Manuscript: In Response: Quantitative adverse outcome pathways for prediction of adverse effects— An academic perspective http://onlinelibrary.wiley.com/doi/10.1002/et.3043/full
JPN	Forestry and Forest Products Institute, Japan	DEU	Martin Luther University Halle-Wittenberg	24	Identification of enzyme genes required for biosynthesis of aluminum-detoxifying tannins in a Eucalyptus tree Report
ESP	IFAPA	NLD	University of Twente	21	30-years (1984-2014) monitoring of energy and water fluxes over an oak savanna in Southern Europe using satellite image time series Report
USA	University at Buffalo - The State University of New York	AUT	University of Natural Resources and Applied Life Sciences (BOKU)	18	Quantification of impacts of and on soil and water management on community resilience and sustainable development Report
THEME 2					
NZL	Plant & Food Research	CAN	Agriculture and Agri-Food Canada	20	Novel semiochemical based system for monitoring and control of leafrollers in horticulture orchards Summary Manuscripts: 1. Caterpillar-induced plant volatiles attract conspecific adults in nature, doi: 10.1038/srep37555 2. Caterpillar-Induced Plant Volatiles Attract Adult Tortricidae, doi: 10.1007/s10886-017-0847-7 3. Caterpillar-induced plant volatiles attract conspecific herbivores and a generalist predator, doi/10.1111/jen.12495/abstract

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NZL	Cawthron Institute	CHL	AVS Chile	22	Biofouling in Chilean salmon aquaculture: assessment of risks to fish health and the environment Report
ITA	CRA-VIT	AUS	CSIRO Plant Industry	10	Characterisation of rootstock traits conferring drought tolerance to grapevines Report
DEU	University College Dublin	USA	University of Wisconsin Madison	18	Analysing the role of extension services in the adoption of sustainable practices Summary
DEU	Helmholtz Centre for Environmental Research - UFZ	CAN	Carleton University	22	Quantifying land-use intensity with remote sensing – A new approach Report Manuscript: Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives
CHE	Agroscope	DEU	University Koblenz-Landau, Landau	20	Landscape preference as a social aspect of sustainability Report
NZL	Lincoln University	USA	National Wildlife Research Center (NWRC), USDA, Animal and Plant Health Inspection Service (APHIS)	10	Better feral swine control Report
USA	Mississippi State University	ITA	University of Catania, Sicily	12	Watershed Management with Bottom-up Approaches Report

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THEME 3					
ESP	INIA	USA	USDA-ARS	18	<p>Influence of enzymatic hydrolysis on the allergenic reactivity of processed (thermal and/or pressure) tree nuts (cashew and pistachio)</p> <p>Report</p> <p>Manuscript: Influence of enzymatic hydrolysis on the allergenic reactivity of processed cashew and pistachio doi.org/10.1016/j.foodchem.2017.08.120</p>
USA	university of Wisconsin, Madison	DEU	Technical University of Munich	15	<p>Genetic dissection of tolerance to suboptimal temperatures during early development in maize</p> <p>Report</p>
CHL	Pontificia Universidad Católica de Valparaíso	CAN	University of Waterloo	14	<p>Analysis of immune responses to coinfection of the sea lice <i>Caligus rogercresseyi</i> and the bacteria <i>Piscirickettsia salmonis</i></p> <p>Report</p> <p>Manuscript: Coinfection takes its toll: Sea lice override the protective effects of vaccination against a bacterial pathogen in Atlantic Salmon: DOI:10.1038/s41598-017-18180-6</p>
USA	Swiss Federal Institute of Technology (ETH), Zurich	USA	Oregon State University	20	<p>Population genomics of virulence and fungicide resistance in the wheat pathogen <i>Zymoseptoria tritici</i></p> <p>Report</p> <p>Manuscripts: 1. An Improved Method for Measuring Quantitative Resistance to the Wheat Pathogen <i>Zymoseptoria tritici</i> Using High-Throughput Automated Image Analysis DOI: 10.1094/PHYTO-01-16-0018-R</p> <p>2. How Knowledge of Pathogen Population Biology Informs Management of <i>Septoria Tritici</i> Blotch DOI: 10.1094/PHYTO-03-16-0131-RVW</p> <p>3. Population Genomics of Fungal and Oomycete Pathogens DOI: 10.1146/annurev-phyto-080614-115913</p>

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ESP	Centre de Recerca en Sanitat Animal (CRESA; IRTA-UAB)	USA	Department of Microbiology, New York University School of Medicine	20	New strategies to find safe and efficient drugs against <i>Toxoplasma gondii</i> , the causative agent of an almost neglected disease Report
ITA	University of Wisconsin-Madison	DEU	Technische Universität München	16	Exploring causal relationships underlying economically important traits in maize Report
AUT	University of Natural Resources and Life Sciences, Vienna	BEL	Ghent University - Department of Animal Production - Laboratory for Animal Nutrition and Animal Product Quality	9	Impact of increasing concentrations of grape seed extracts in broiler diets on the oxidative stability of animal tissues and stored breast meat Summary
NLD	Utrecht University	BEL	VIB, Flemish Institute for Biotechnology	11	Comparative genomics of downy mildew pathogens Report
JPN	Kyoto University	USA	North Carolina State University	17	Role of sugar in hygiene behaviour in <i>Drosophila</i> Report
ESP	CRAG (CSIC-IRTA-UAB-UB)	USA	New York University	18	RAV gene evolution in rice adaptive responses to salinity and water availability: a future biotechnological tool to confront global climate change Report
HUN	Centre for Agricultural Research Hungarian Academy of Sciences	BEL	Faculty of Veterinary Medicine - Ghent University	14	Investigation of the role of the 7a protein in the virulence and immunology of the PRRSV Report