

(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
<b>THEME 1</b>					
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  <a href="#">Report</a>
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  <a href="#">Report</a>  <b>Manuscript:</b> Robotic milking: Feeding strategies and economic returns <a href="https://doi.org/10.3168/jds.2016-11694">https://doi.org/10.3168/jds.2016-11694</a>
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  <a href="#">Report</a>
USA	USDA-ARS	DEU	Julius Kuhn-Institut	8	Addressing the global challenge of antibiotic resistance: characterizing antibiotic resistance elements associated with agricultural ecosystems  <a href="#">Report</a>
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?  <a href="#">Report</a>
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  <a href="#">Report</a>  <b>Manuscript:</b> Winter rye as a cover crop reduces nitrate loss to subsurface drainage as simulated by HERMES <a href="http://www.sciencedirect.com/science/article/pii/S0378377417300392">http://www.sciencedirect.com/science/article/pii/S0378377417300392</a>

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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  <a href="#">Report</a> <b>Manuscript:</b> <a href="http://onlinelibrary.wiley.com/doi/10.1002/et.3043/full">In Response: Quantitative adverse outcome pathways for prediction of adverse effects— An academic perspective</a> <a href="http://onlinelibrary.wiley.com/doi/10.1002/et.3043/full">http://onlinelibrary.wiley.com/doi/10.1002/et.3043/full</a>
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  <a href="#">Report</a> <b>Manuscript:</b> Identification of UDP glucosyltransferases from the aluminumresistant tree <i>Eucalyptus camaldulensis</i> forming b-glucogallin, the precursor of hydrolyzable tannins <a href="https://doi.org/10.1016/j.phytochem.2018.05.005">https://doi.org/10.1016/j.phytochem.2018.05.005</a>
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  <a href="#">Report</a>
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  <a href="#">Report</a>

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<b>THEME 2</b>					
NZL	Plant & Food Research	CAN	Agriculture and Agri-Food Canada	20	<p>Novel semiochemical based system for monitoring and control of leafrollers in horticulture orchards</p> <p><a href="#">Summary</a></p> <p><b>Manuscripts:</b> 1. Caterpillar-induced plant volatiles attract conspecific adults in nature, <a href="https://doi.org/10.1038/srep37555">doi: 10.1038/srep37555</a></p> <p>2. Caterpillar-Induced Plant Volatiles Attract Adult Tortricidae, <a href="https://doi.org/10.1007/s10886-017-0847-7">doi: 10.1007/s10886-017-0847-7</a></p> <p>3. Caterpillar-induced plant volatiles attract conspecific herbivores and a generalist predator, <a href="https://doi.org/10.1111/jen.12495/abstract">doi/10.1111/jen.12495/abstract</a></p>
NZL	Cawthron Institute	CHL	AVS Chile	22	<p>Biofouling in Chilean salmon aquaculture: assessment of risks to fish health and the environment</p> <p><a href="#">Report</a></p>
ITA	CRA-VIT	AUS	CSIRO Plant Industry	10	<p>Characterisation of rootstock traits conferring drought tolerance to grapevines</p> <p><a href="#">Report</a></p>
DEU	University College Dublin	USA	University of Wisconsin Madison	18	<p>Analysing the role of extension services in the adoption of sustainable practices</p> <p><a href="#">Summary</a></p>
DEU	Helmholtz Centre for Environmental Research - UFZ	CAN	Carleton University	22	<p>Quantifying land-use intensity with remote sensing – A new approach</p> <p><a href="#">Report</a></p> <p><b>Manuscript:</b> <a href="#">Linking Earth Observation and taxonomic, structural and functional biodiversity: Local to ecosystem perspectives</a></p>

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CHE	Agroscope	DEU	University Koblenz-Landau, Landau	20	Landscape preference as a social aspect of sustainability <a href="#">Report</a>
NZL	Lincoln University	USA	National Wildlife Research Center (NWRC), USDA, Animal and Plant Health Inspection Service (APHIS)	10	Better feral swine control <a href="#">Report</a>
USA	Mississippi State University	ITA	University of Catania, Sicily	12	Watershed Management with Bottom-up Approaches <a href="#">Report</a>
<b>THEME 3</b>					
ESP	INIA	USA	USDA-ARS	18	Influence of enzymatic hydrolysis on the allergenic reactivity of processed (thermal and/or pressure) tree nuts (cashew and pistachio) <a href="#">Report</a> <b>Manuscript:</b> Influence of enzymatic hydrolysis on the allergenic reactivity of processed cashew and pistachio <a href="https://doi.org/10.1016/j.foodchem.2017.08.120">doi.org/10.1016/j.foodchem.2017.08.120</a>
USA	university of Wisconsin, Madison	DEU	Technical University of Munich	15	Genetic dissection of tolerance to suboptimal temperatures during early development in maize <a href="#">Report</a>
CHL	Pontificia Universidad Católica de Valparaíso	CAN	University of Waterloo	14	Analysis of immune responses to coinfection of the sea lice <i>Caligus rogercresseyi</i> and the bacteria <i>Piscirickettsia salmonis</i> <a href="#">Report</a> <b>Manuscript:</b> Coinfection takes its toll: Sea lice override the protective effects of vaccination against a bacterial pathogen in Atlantic Salmon: <a href="https://doi.org/10.1038/s41598-017-18180-6">DOI:10.1038/s41598-017-18180-6</a>

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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><a href="#">Report</a></p> <p><b>Manuscripts:</b> 1. An Improved Method for Measuring Quantitative Resistance to the Wheat Pathogen <i>Zymoseptoria tritici</i> Using High-Throughput Automated Image Analysis <a href="https://doi.org/10.1094/PHYTO-01-16-0018-R">DOI: 10.1094/PHYTO-01-16-0018-R</a></p> <p>2. How Knowledge of Pathogen Population Biology Informs Management of <i>Septoria Tritici</i> Blotch <a href="https://doi.org/10.1094/PHYTO-03-16-0131-RVW">DOI: 10.1094/PHYTO-03-16-0131-RVW</a></p> <p>3. Population Genomics of Fungal and Oomycete Pathogens <a href="https://doi.org/10.1146/annurev-phyto-080614-115913">DOI: 10.1146/annurev-phyto-080614-115913</a></p>
ESP	Centre de Recerca en Sanitat Animal (CReSA; IRTA-UAB)	USA	Department of Microbiology, New York University School of Medicine	20	<p>New strategies to find safe and efficient drugs against <i>Toxoplasma gondii</i>, the causative agent of an almost neglected disease</p> <p><a href="#">Report</a></p>
ITA	University of Wisconsin-Madison	DEU	Technische Universität München	16	<p>Exploring causal relationships underlying economically important traits in maize</p> <p><a href="#">Report</a></p>
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	<p>Impact of increasing concentrations of grape seed extracts in broiler diets on the oxidative stability of animal tissues and stored breast meat</p> <p><a href="#">Summary</a></p>
NLD	Utrecht University	BEL	VIB, Flemish Institute for Biotechnology	11	<p>Comparative genomics of downy mildew pathogens</p> <p><a href="#">Report</a></p>
JPN	Kyoto University	USA	North Carolina State University	17	<p>Role of sugar in hygiene behaviour in <i>Drosophila</i></p> <p><a href="#">Report</a></p>

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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 <a href="#">Report</a>
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 <a href="#">Report</a>