

FELLOWSHIPS AWARDED FOR 2009

The reports or summaries for fellowship awards can be accessed through [the links](#).

Research Fellow's Nationality	Home Institution	Destination Country	Host Laboratory	Duration of Fellowship (weeks)	Proposed Studies
USA	USDA-Agriculture Research Service	NZL	AgResearch Limited	8	Hemodynamics in the Carotid and Auricular Arteries of Sheep Grazed on Either Endophyte-Free Wild-Type, or Novel Endophyte Perennial Ryegrass Read the report
GRC	Aristotle University of Thessaloniki	GBR	Scottish Agricultural College	12	Post-genomic analysis of milk production, fertility and energy balance of dairy cattle Read the report
USA	USDA-ARS	CHE	Swiss Federal Institute of Technology Zurich	19	Evaluation of hybrid poplar tree tolerance to irrigation with high boron waters under micro-plot conditions. Read the report
ESP	Instituto de Ganadería de Montaña (CSIC - ULE)	GBR	Rowett Institute of Nutrition and Health, Aberdeen	10	Application of stable isotope probing to identify key lactate-utilising bacteria that have a role in preventing lactic acidosis.
CAN	Université de Sherbrooke	CZE	Soil Biology Institute of the Academy of Sciences of the Czech Republic	8	Investigating how earthworms could mitigate soil methane (CH ₄) production in manure-amended soils. Read the report
GRC	Democritus University of Thrace	NLD	Institute for Biodiversity and Ecosystem Dynamics (IBED) - University of Amsterdam	12	Multiple pest control by a generalist predator: the case of <i>Amblyseius swirskii</i> as a biological control agent of the thrips <i>Frankliniella occidentalis</i> and the whitefly <i>Trialeurodes vaporariorum</i> Read the summary
IRL	University College Dublin	USA	Louisiana State University	12	Develop novel healthcare product for animal fasciolosis to reduce flukicide residues in animal products Read the summary
HUN	Faculty of Agricultural and Food Sciences, University of West Hungary	FIN	Department of Applied Biology, University of Helsinki	5	Improved screening procedures for selection of faba bean and pea plants against abiotic stresses Read the report
CZE	Biology Centre ASCR	CAN	Université de Sherbrooke, Département de biologie	10	Risk assessment of development the ATB-resistance-reservoir in agricultural soils cyclic fertilized by livestock waste Read the report
USA	USDA Forest Service, PNW Research Station	JPN	Hokkaido University	6	Integrating Sustainable Forestry Management and Ecosystem Services to Enhance Forest Stewardship Read the report
USA	USDA-ARS, Morris	NZL	AgResearch	12	New tools to manage weeds: Organically-compatible use of air-propelled abrasives for weed control in row crops.
DEU	Technische Universität München	AUS	School of Agricultural and Resource Economics; The University of Western Australia	12	Analyzing the Effect of Risk and Uncertainty on Optimal Tillage and Nitrogen Fertilizer Intensity: Recommendations for Sustainable Crop Production Read the report
ESP	CSIC	USA	Southwest Watershed Research. Agricultural Research Service. U.S.D.A.	3	Enhancing the quantification and monitoring of soil loss and sediment transfer by water erosion within and outside rangeland and cropland areas using innovative sediment tracers. Read the report
USA	USDA-ARS	NLD	Wageningen University - Center for Water and Climate	6	Evaluation of large aperture scintillometer as a tool for validating regional evapotranspiration maps Read the summary

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CAN	University of Western Ontario	DEU	Zentrum fur Molekularbiologie der Pflanzen (ZMBP)	24	Genomic approach to development of new pest control strategies: plant resistance mechanisms to <i>Tetranychus urticae</i> , major pest in agriculture with new genomic resources Read the report
USA	USDA ARS	FRA	INRA Sophia-Antipolis Agrobiotech	3	Small RNA expression in the <i>Arabidopsis-Phytophthora parasitica</i> host-pathogen system, a model for other <i>Phytophthora</i> diseases Read the summary
USA	US Dept. of Agriculture, Agricultural Research Service	AUS	Department of Primary Industries and Fisheries	8	Evaluation of anti-cattle tick vaccine candidates selected by bioinformatic and proteomic analyses of a cattle tick expressed gene database. Read the report
USA	Michigan Technological University	ESP	University of Valencia	16	Organic matter management and sustainability of soil fertility in agricultural, shrubland, and forest soils of eastern Spain. Read the report
CAN	Agriculture & Agri-Food Canada	AUS	University of Sidney	26	Disease prevention of vascular plant pathogens for sustainable food production Read the summary
ITA	Università del Piemonte Orientale	USA	Montana State University	3	Detection of aerodiffused fungal spores of plant pathogens Read the report
USA	US Dept Agriculture, Agricultural Research Service	GBR	Oxford University	10	Genomics-aided discovery of a novel gene cluster for a nematode repellent factor in <i>Pseudomonas fluorescens</i> Read the report
JPN	National Agriculture and Food Research Organization	USA	University of California, Davis	26	Development of a heat transfer model to assess the effects of land use and management on the thermal environment in a crop canopy under conditions of global warming. Read the summary
GBR	Land Economy and Environment Research Group, Scottish Agricultural College	NZL	AgResearch	4	Evaluating the feasibility of emissions trading in agriculture: what can Europe learn from New Zealand? Precise subject: inventory measurement of emissions from agricultural systems and their reporting for use in the development of emissions trading in agriculture Read the report
USA	USDA ARS Southwest Watershed Research Center	ESP	Department of Earth Physics and Thermodynamics, University of Valencia	20	Innovative Approaches to Map Plant and Soil Water Status: Vegetation Fluorescence and Multi-Source Data Integration
FRA	Institut National de la Recherche Agronomique	USA	Purdue University	2	Hydrologic modelling : a multi-scale platform Read the report
JPN	National Agriculture and Food Research Organisation, National Institute of Animal Health	CZE	Institute of Microbiology, Academy of Sciences of the Czech Republic	10	Development of a real-time PCR based method to genotype single nucleotide polymorphisms for porcine toll-like receptors Read the summary
USA	USDA-ARS	AUS	The University of Queensland	8	Determining Research Needs for Testing and Deployment of GM Sorghum Read the report

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HUN	Research Institute for Animal Breeding and Nutrition	CAN	Department of Biomedical Sciences, University of Guelph	26	"Genetic markers of fertility in relation to heat stress" The planned project will focus on cattle fertility problems in relation to climate change and heat shock. Using molecular genetic methods, we aim to investigate and develop molecular markers in spermatozoa with a potential of new selection tools for breeders.
USA	USDA	JPN	National Institute for Agro-Environmental Sciences; Carbon and Nutrient Cycles Division	8	Greenhouse Gas Emissions from Soil Applied with Animal Manure Read the report
GRC	Agricultural University of Athens, Faculty of Animal Science and Hydrobiology	USA	USDA, Agricultural Research Service, Animal Parasitic Diseases Laboratory	26	Developing a surveillance system for <i>Trichinella</i> reservoir hosts to support international certification programs.
NLD	Institut National de la Recherche Agronomique	GBR	Environmental Change Institute, Oxford University Centre for the Environment	5	Towards Climate Neutral Farming. An investigation of the feasibility and consequences of modest to very ambitious objectives for the mitigation of greenhouse gas emissions by agriculture. Read the report
NLD	Wageningen University	USA	Utah State University	13	Spatial process-based modelling for improved understanding and management of ecosystem services in agro-ecosystems, in particular biological pest control Read the report
JPN	Hokkaido university	ITA	Stazione Sperimentale per l'Industria delle Conserve Alimentari	10	Production of additive-free meat products. Investigating into the mechanism leading to good colour dried pork meats without the use of nitrite and nitrate. Read the report
FRA	Agrocampus Ouest	CAN	AGRICULTURE AND AGRI-FOOD	26	Development of a soil indicator for animal cropping systems: A comparison of two regions, Brittany (France) and Quebec (Canada)
DEU	Christian Albrechts University	USA	Department of Agronomy, University of Wisconsin	4	Protein quality of different forage legumes growing in contrasting environments Read the report
CAN	Agriculture and Agri-Food Canada	CHE	CABI Europe - Switzerland	26	Improving Methodology for Evaluating Non-target Species for Assessing Risk of Candidate Agents for Biological Control of Arthropod Pests
AUS	University of Western Australia	FRA	INRA, Dijon	12	Evolution, biochemical and molecular studies on herbicide resistant weeds. Overall objective aimed at minimising adverse impacts of herbicide resistant weed evolution. Read the report
JPN	Forestry and Forest Products Research Institute	CHE	Institute of Botany, University of Basel	23	Assessing if mast seeding is carbon and nutrient limited in temperate forest trees under both ambient and elevated CO ₂ concentrations: tracing ¹³ C labeled mobile carbon reserves and nutritional elements in fruiting trees of three different species
KOR	Agricultural Science Research Center / Chungnam National University	USA	Eastern Regional Research Center/NAA/ARS/USDA, Philadelphia	24	Characterization and Cloning of Lipase Gene(s) from <i>Candida bombicola</i> , a biosurfactant-producing yeast