

FELLOWSHIPS AWARDED FOR 2008

(NB for confidentiality reasons, no names of individual fellows are given in this list)

Nationality of Research Fellow	Work Location	Destination	Host Laboratory	Duration of Fellowship (weeks)	Proposed Studies
IRL	Trent University	ITA	CNR Institute of Ecosystem Study	9	Modelling the sustainability of long-term monitored forest ecosystems in North America and Europe: impacts of future atmospheric deposition and biomass harvesting scenarios
GRC	University of Thessaly, Veterinary Faculty	ESP	INIA, Departamento de Reproduccion Animal y Conservacion de Recursos Zoogeneticos	12	Modification of the antioxidant protection of the media used for in vitro bovine embryo production: Effects on blastocyst formation rate and on blastocyst cryotolerance.
DEU	University of Hohenheim, Institute of Phytomedicine, Dept. Weed Science	DNK	University of Copenhagen	18	Growth stimulatory effects of low doses of toxicants in plants as an option for improving agronomic traits
CAN	McGill University, School of Architecture	FRA	Ecole Nationale Supérieure du Paysage, Versailles, France	10	A study of sustainable urban and peri-urban agricultural systems, France
FRA	INRA	USA	Van Andel Research Institute	4	Development of antibody microarray technologies to monitor the structure of proteins in food matrices in relation to their allergenicity
ITA	University of Naples	USA	USDA-ARS Hydrology & Remote Sensing Lab	8	Combining hydrological modelling and earth observations for the management of water resources in irrigated areas
ESP	CSIC	ITA	University of Basilicata	6	Modelling water balance and crop production of an irrigated permanent bed system for sustainable production
USA	Agricultural Research Service	NZL	The University of Auckland	10	Improved optimization of distributed watershed models using internal watershed data and advanced optimization algorithms.
JPN	FFPRI	GBR	University of Aberdeen	19	The development of a simulation system for national-scale forest soil carbon management
DEU	University of Kiel	USA	University of Nebraska	3	Site-Specific Precision Agriculture
DEU	JKI Bundesforschungsinstitut für Kulturpflanzen	USA	National Clonal Germplasm Repository, USDA, Agr.Res. Service	5	Cryopreservation of elite strawberry germplasm
JPN	National Institute for Agro-Environmental Sciences	NLD	International Institute for Geo-Information Science and Earth Observation	16	Regional and timely assessment of agro-ecosystem resources based on advanced geo-information technologies - designing innovative methodologies and an international collaborative network for the future.
JPN	Graduate School of Agriculture, Kyoto Prefectural University	CAN	Agriculture and Agri-Food Canada -SPARC	2	Signal molecules and sod culture to increase the sustainability of plant production.
USA	Washington State University	GBR	The Moredun Research Institute	13	Mucosal Immunization Against Gastrointestinal Nematodes of Small Ruminants
FIN	MTT Agrifood Research	AUS	Department of Primary Industries	26	An automated gene mapping procedure applied to aquaculture species
HUN	University of West-Hungary	AUT	Austrian Research Center, Bioresources Department	25	Developing a versatile diagnostic system in order to identify microalgae strains with high fatty acid content
JPN	National Institute for Agro-Environmental Sciences	NZL	Landcare Research	26	Understanding the causes of invasiveness of alien plants: a comparative study between New Zealand and Japan for preventing new weed invasions.
POL	Institute of Plant Protection	DEU	Institute for Integrated Plant Protection / Biologische Bundesanstalt für Land und Fortswirtschaft	4	Spinosad as potential insecticide to control of leptinotarsa decemlineata say in organic farming.

Nationality of Research Fellow	Work Location	Destination	Host Laboratory	Duration of Fellowship (weeks)	Proposed Studies
ITA	University of Palermo	GBR	Scottish Crop Research Institute	20	Temperature sensitivity of key soil biological processes
POL	Warsaw University of Life Sciences - SGGW	USA	USDA Forest Service Southern Research Station Center for Forested Wetlands Research	14	Hydrodynamic model of the Turkey Creek stream and riparian zone A tool for assessing the hydrologic vulnerability of a watershed to management practices.
JPN	National Agricultural Research Center	ITA	Dept of Exploitation & Protection of Agricultural & Forestry Resources, University of Turin	6	Comparative analysis of Italian and Japanese cases on the invasion of chestnut gall wasp and its biological control by the introduction of a parasitoid native to China
CZE	Czech Academy of Sciences	GBR	Aberystwyth University, Institute of Biological Science	26	Molecular ecology of anaerobic fungi
SVK		HUN	Agricultural Research Institute of the Hungarian Academy of Sciences	19	Cell biological and proteomic characteristics of maize microspore-derived structures for higher efficiency of dihaploid plants regeneration.
JPN	Forestry and Forest Products Research Institute	DEU	Institute for Plant Virology, Microbiology & Biosafety Federal Research Center for Agriculture & Forestry	26	Development of an online system for identification of and information about phytopathogenic fungi
ESP	Institute of Food Research	AUS	Tasmanian Institute of Agricultural Research (TIAR)	12	Application of network analysis to compare gene expression profiles of E. coli at the growth/no growth (survival) temperature boundary
USA	University of Wisconsin	FRA	Montpellier SupAgro-Centre international d'etudes superieures en sciences agronomiques	14	Topic Area: Strategies, techniques and incentives to encourage adoption of production systems that emphasize long-term sustainable goals Project Title: A comparison of French and US approaches to enable sustainable farming systems
USA	Oregon State University	AUS	CSIRO	22	Integrating native bee diversity, pollination biology, and landscape ecology, for sustainable crop production
USA	Department of Forest & Wildlife Ecology, University of Wisconsin-Madison	GBR	University of Sheffield, Department of Sociological Studies	4	Creating a methodology to integrate social network and landscape analyses toward understanding private forest management
USA	Agricultural Research Service	AUS	Commonwealth Scientific and Industrial Research Organisation	12	Identification and validation of single nucleotide polymorphism markers (SNP) for adaptive traits in tropical beef cattle
USA	US Dept of Agriculture-Agricultural Research Service	FRA	Université Paul Sabatier	12	Fine mapping the gene conferring resistance to powdery mildew in the model legume <i>Medicago truncatula</i>
USA	USDA-Agricultural Research Service	DEU	University of Kiel	4	Spatial Variation in Organic Pasture Plant Communities and Weed Invasions
GBR	University of Exeter	JPN	RIKEN Plant Science Center	8	Integration of "omics" data to identify metabolic pathways involved in susceptibility, basal resistance and systemic resistance in <i>Arabidopsis</i> plants infected with <i>Pseudomonas syringae</i> pv tomato.
SVK	Faculty of Science, Masaryk University	USA	Kansas State University	8	Monitoring protozoan natural control agents of stored-product pests
NLD	Plant Research International	NZL	Crop and Food Research	16	Exploiting host-finding behaviour of pest thrips species with attractants and natural enemies in a "lure and kill" system

Nationality of Research Fellow	Work Location	Destination	Host Laboratory	Duration of Fellowship (weeks)	Proposed Studies
NZL	AgResearch	FRA	UMR 6191 CNRS-CEA-Université de la Méditerranée	26	Molecular mechanisms that regulate plant growth will be analysed using a combination of genetic and protein based methods, with a particular emphasis on how growth is regulated in response to extrinsic factors, such as nutrient levels and/or stress.
CAN	McGill University	FRA	INRA Montpellier	10	Environmental and economic feasibility of tree-based intercropping systems in temperate regions
CAN	Agriculture & Agri-Food Canada	NZL	Foundation of Arable Research	12	Characterizing Aerodynamic Properties of Windbreaks for the Reduction of Pesticide Drift
CAN	Agriculture and Agri-Food Canada	USA	University of Wisconsin	13	Utilization of ethanol co-product feedstuffs by feedlot finishing beef cattle
USA	USDA-ARS Horticultural Crops Research Unit	AUS	Commonwealth Scientific and Industrial Research Organisation	10	Transfer of analytical techniques to enhance biofumigation research