

# Postgraduate Students

Name	Unit	Subject
D.J. Allcroft	BioSS	Mathematical modelling of short-term behaviour in farm animals.
N. Aziz	GE	Gametic transformation and its potential in gene targeting.
G. Banks	SPD	Spatial variation in the nitrification process in arable fields.
J. Bolandandam	Vir	Study of resistance mechanisms to potato leafroll virus in diploid and tetraploid potato.
K. Boutsika	MBN	Development of molecular diagnostic protocols for detecting 'spraing' tobnavirus disease of potato and its vector trichodorid nematodes.
E.C. Brown	MRS	<i>Tobacco rattle virus</i> as a viral vector for gene silencing.
K. Caldwell	Genom	Grain hardness linkage disequilibrium in barley.
A. Campbell	BioSS	Inferential tools for stochastic epidemic modelling.
J. Chessel	SPD	Reactive transport in soil.
Q. Chen	MBN	<i>Xiphinema americanum</i> -group virus-vector nematodes: development of a diagnostic protocol.
E. Davidson	PB	Isolation and characterisation of new plant-derived mannose-specific lectins and their use in the diagnosis and mechanistic studies of the infection of mammals with a range of bacteria and viruses.
J. Durban	BioSS	Bayesian methods for marine mammal population assessment.
H. El-Menaie	AG	Salinity tolerance in barley in Kuwait.
S. Fonseca	BioSS	Stochastic geometry of muscle fibre development.
C. Furlanetto	MBN	Genes encoding oesophageal gland secreted proteins involved in host-parasite and/or nematode-virus interactions of <i>Xiphinema index</i> .
K. Harris	SPD	The visualisation of interactions between soil physical conditions and fungi.
J. Heilbronn*	MBN	Characterisation of signalling genes induced by <i>Erwinia</i> in potato.
I. Hein	MRS	Gene discovery in cereals.
G. Henderson	SPD	Modelling soil-water/structure functions.
M. Holeva	MBN	A molecular study of the type III secretion system and its surrounding DNA in the potato pathogen <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> .
R. Holeva	MBN	Development of a pre-plant soil test for <i>Tobacco rattle virus</i> and virus vector Trichodorid nematodes
S. N. Humphris	SPD	The role of volatile organic compounds in the biological control of wood dry rot by <i>Trichoderma</i> spp.
S. Hussain	MBN	Epidemiology of <i>Phytophthora infestans</i> .
E. Isidore	Genom	Construction of an ultra high density linkage map of potatoes.
V. Ivandic	AG	Simple sequence repeats in relation to adaptation in barley.
E. Karanastasi	MBN	Plant virus sequences involved in particle assembly and transmission by nematodes.
D. Kiezebrink	SPD	Modelling soil and water structure functions to assess the efficiency of pesticides in agricultural soils against plant-pathogenic nematodes.
H.L. Kuan	SPD	What is the link between microbial diversity and soil resilience?
S.G. Lane	Vir	Studies on recombinant antibodies to water pollutants.
A. Le Fevre	BioSS	Statistical aspects of lameness in dairy cattle.
F. Lioliopoulou	Vir	Studies on molecular interactions between PMTV and its vector, <i>Spongospora subterranea</i> f.sp. <i>subterranea</i> .
H. Liu	Genom	Molecular dissection of developing barley grain.
L. Mackinnon	GE	Transformation of hemp – a multi-purpose fibre crop.
G. Malloch*	VS	Genetic variation in the family Byturidae.
M. Maule	BioSS	Stochastic modelling in plant epidemiology and ecology.
H. McGovern	SPD	The influence of soil biota on soil structural conditions.
A. Nonyane	BioSS	Improving statistical design and analysis of repeated measures using prior information.
R. Nsubuga	BioSS	Statistical study of the epidemiology of <i>E. coli</i> O157 infection in cattle.
E. Pachepsky	VS	Modelling phenotypic and genotypic interaction in species-rich grassland.
B. Pande	Genom	Linkage mapping in 4x potatoes.
E. Pascual	CB	Oxidation processes in coffee.
A. Popovich	Vir	Development of a rapid screening system for gene function.
A. Prior	MBN	Functional characterisation of a secreted protein from potato cyst nematode, <i>Globodera pallida</i> .
A. Richardson	PB	Coniferyl alcohol oxidases in lignifying tissues of higher plants.
C. D. Robinson	BioSS	Bayesian methods for segmenting X-ray CT images of sheep.
K. Rutherford	BioSS	Fractal analysis of animal behaviour.
G. Shilvanth	MBN	Enhancement of resistance to <i>Botrytis</i> grey mould of chickpea using PGIP genes.
L. Smolenska	Vir	The use of potato virus X for high level production of foreign proteins in plants.
E. Souleyre	PB	Carbohydrate metabolism during ripening in the fruit of strawberry.
K. Stanley	VS	Towards an understanding of the molecular mechanisms of lectin toxicity to aphids through gut glycoprotein interactions.
K. Stewart	MBN	Breakdown of <i>Mlo</i> resistance under stress.
N. Vasilakos	MBN	Genetic determinants of complementarity and exclusivity of vector transmission of tobnaviruses.
E. Vellios	MBN	Molecular elucidation of interaction between plant tobnavirus gene products and virus-vector trichodorid nematodes.
W. Wei	AG	Mechanisms of salt tolerance in barley.
J. Wishart	MBN	Characterisation of <i>Meloidogyne</i> species using molecular and immunological techniques.
C-P. Witte	PB	Modification of urea metabolism in transgenic potato.
J. C. Wood	BioSS	Mathematical modelling of <i>E. coli</i> infection.
M. Wood	BioSS	Use of wavelet methods in crop cultivar recognition by image analysis.
C. Zhang	GE	Improvement of Chinese wheat cultivars.

\* Permanent member of staff