

Non-Technical Project Summary

REFERENCE NUMBER	PROJECT TITLE	MONTH OF APPROVAL	KEYWORDS	LINK TO NTPS
V001/2014Q2	Research investigation of novel drug delivery formulations encapsulating a biological therapeutic in rat and mouse models	April 2014	Rats; mice; biological therapeutic; distribution; delivery	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v001_2014q2.pdf?sfvrsn=2
V002/2014Q2	Research investigation into grass production and dairy cow performance on fertilised grass clover swards	April 2014	Dairy cow; grassland; white clover; milk production	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v002_2014q2.pdf?sfvrsn=2
V003/2014Q2	Research investigation to determine if a suspension of <i>Lactococcus lactis</i> culture in paraffin elicits a non-specific immune response	April 2014	Antimicrobial resistance; antibiotic alternative; intramammary; dairy cow; <i>Lactococcus lactis</i>	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v003_2014q2.pdf?sfvrsn=2

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	similar to a suspension of the culture in an aqueous base when administered into the mammary gland of cows			
V004/2014Q2	Research study to optimise annual output per sow by increasing the number of viable piglets born alive and minimising pre-weaning piglet mortality	April 2014	Sow; piglet; nutrition; output; viability	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v004_2014q2.pdf?sfvrsn=2
V005/2014Q2	Research study investigating the potential of components of bacteria that commonly colonize the upper airways to suppress inflammation in a mouse model of allergic asthma	April 2014	Asthma; bacteria; T cells; immunity; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v005_2014q2.pdf?sfvrsn=2

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V006/2014Q2	Research project investigating the identification of genes involved in gastrointestinal disease in mice	April 2014	Inflammatory bowel disease; gastrointestinal infection; inflammation; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v006_2014q2.pdf?sfvrsn=2
V007/2014Q2	Research on new therapies for Acute Graft versus Host Disease (GvHD) using a sophisticated mouse model	May 2014	Acute graft versus host disease; immunosuppressive drugs; adult stem cells; mouse model	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v007_2014q2.pdf?sfvrsn=2
V008/2014Q2	Research investigation into the protective effects of exercise and neurotrophins on cognitive deficits in an alpha-synuclein model of Parkinson's disease in rats	May 2014	Alpha-synuclein; Parkinson's disease; cognitive impairment; exercise; neurotrophins;	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v008_2014q2.pdf?sfvrsn=2
V009/2014Q2	Research project to identify genes involved in wound healing and cutaneous immune defence in mice	May 2014	Wound healing; skin infection; skin tumours; genetically modified mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v009_2014q2.pdf?sfvrsn=2

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V010/2014Q2	Research study evaluating a novel scaffold for joint regeneration in a rabbit model	May 2014	Rabbit; chondral; osteochondral; scaffold; infrapatellar fat pad	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v010_2014q2.pdf?sfvrsn=2
V011/2014Q2	Research study investigating the effect of the neuroprotective compound Norgestrel in the treatment of Retinitis Pigmentosa in mice	May 2014	Retinitis Pigmentosa; norgestrel; retina; photoreceptors; visual impairment; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v011_2014q2.pdf?sfvrsn=2
V012/2014Q2	Research project developing heart friendly probiotics for reducing cardiovascular risk factors using mice	May 2014	Mice; probiotics; cholesterol; cardiovascular risk factors; atherosclerosis	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v012_2014q2.pdf?sfvrsn=2
V013/2014Q2	Research investigation to determine the effect of a mineral supplement in conjunction with vitamins D and K on bone health using an	May 2014	Mineral supplement; rat; osteoporosis; ovariectomy; bone; vitamins D and K	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v013_2014q2.pdf?sfvrsn=2

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	ovariectomised rat model			
V014/2014Q2	Research project involving the preclinical evaluation of a novel immunotherapy for cancer treatment in mice	May 2014	Cancer; therapeutic; preclinical; interleukin; cytokine; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v014_2014q2.pdf?sfvrsn=2
V015/2014Q2	Research investigation of novel therapeutic approaches to improve corneal allograft survival by cell and gene therapy and insights into the mechanism of action in mice	May 2014	Cornea transplantation; mesenchymal stem cells; immunomodulation; graft rejection; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v015_2014q2.pdf?sfvrsn=2
V016/2014Q2	Research project to develop a novel bioinspired fiber reinforced hydrogel that recapitulates developmental processes to regenerate the bone-	May 2014	Stem cells; fiber reinforced hydrogel; ligament-bone interface; mechanical stimulation; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v016_2014q2.pdf?sfvrsn=2

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	ligament interface using mice			
V017/2014Q2	Research investigation to identify the causes of resistance to hormone therapy in breast cancer using mouse models	May 2014	Breast cancer; drug; resistance; endocrine; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v017_2014q2.pdf?sfvrsn=2
V018/2014Q2	Research project to investigate a novel role for Von Willebrand Factor in the pathogenesis of childhood Plasmodium falciparum malaria using a mouse model	May 2014	Cerebral malaria; <i>Plasmodium falciparum</i> ; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v018_2014q2.pdf?sfvrsn=2
V019/2014Q2	Research study investigating the effect of high fat diet on iNKT anti-tumour cells in the liver	May 2014	Mice; liver; fat; iNKTs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v019_2014q2.pdf?sfvrsn=2
V020/2014Q2	Research epidemiological study of the factors affecting	June 2014	Cow; fertility; minerals; pathogens	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v020_2014q2.pdf?sfvrsn=2

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	reproductive efficiency in beef cow herds in Ireland			
V021/2014Q2	Research study investigating the modulation of immune cells involved in the pathogenesis of psoriasis using mice (This is an amendment to project reference number: V031/2013Q4)	June 2014	Immune system; skin; inflammation; psoriasis; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v021_2014q2.pdf?sfvrsn=2
V022/2014Q2	Research investigation into engineering endochondral bones using mice	June 2014	Bone regeneration; endochondral; scaffold; mouse; degradation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v022_2014q2.pdf?sfvrsn=2
V023/2014Q2	Research study investigating the effect of calcified seaweed on fibre digestion, health status, milk production and milk	June 2014	Dairy cow; digestion; rumen; buffer; calcified seaweed	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v023_2014q2.pdf?sfvrsn=2

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	quality in high yielding lactating dairy cows			
V024/2014Q2	Research investigation into the in vivo assessment of novel materials and engineered tissues for cartilage defect repair using goats	June 2014	Goat; cartilage; repair; cell; scaffold	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v024_2014q2.pdf?sfvrsn=2
V025/2014Q2	Research study to develop an oestrous synchronisation regimen to facilitate the implementation of a fixed time artificial insemination protocol for pasture based beef cow herds in Ireland	June 2014	Cow; fertility; insemination; oestrous; synchronisation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v025_2014q2.pdf?sfvrsn=2
V026/2014Q2	Research project investigating the comprehensive behavioural and physiological phenotyping of transgenic and	June 2014	Neuroscience; neuronal morphology; SLICK; LNX1; LNX2; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v026_2014q2.pdf?sfvrsn=2

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	knockout mice lines including SLICK and SLICK/RC:Ptox compound heterozygous mice and LNX1 and LNX2 single and double knockout mice			
V027/2014Q2	Research project using pigs to measure induction, maintenance and reversal of targeted pancreatic hypothermia using a trans-gastric heat transfer catheter: a proof of concept study	June 2014	Acute pancreatitis; hypothermia; pig; trans-gastric heat transfer catheter	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v027_2014q2.pdf?sfvrsn=2
V028/2014Q2	Research investigation of the susceptibility of horses to Fasciola hepatica (liver fluke) infection and development of a commercial ELISA	June 2014	Equine; Fasciola hepatica	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v028_2014q2.pdf?sfvrsn=2

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	test for the diagnosis of F. hepatica infection in horses			
V029/2014Q2	Research study investigating cellular and molecular mechanisms of epilepsy in mice (This is an amendment to project reference number: V018/2013Q4)			http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2014-april---june/v029_2014q2.pdf?sfvrsn=2