

Non-Technical Project Summary

Period of approval: July – September 2015

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2015Q3	Research project investigating the effects of electroconvulsive therapy on biomarkers of depression using rats	Depression; rats; electroconvulsive therapy; MRI; biomarker	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v001_2015q3.pdf?sfvrsn=2
V002/2015Q3	A pilot study on fracture repair in a diabetic setting using mice	Diabetes; fracture; bone; regeneration; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v002_2015q3.pdf?sfvrsn=2
V003/2015Q3	Research study into the role of rapid re-epithelialisation and immunomodulation in accelerated wound healing in mice and pigs	Burns; mice; pigs; MCP-1; PSG-1; AQP3	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v003_2015q3.pdf?sfvrsn=2
V004/2015Q3	A research project to reduce urinary nitrogen excretion by grass-fed beef cattle	Cattle; environment; nitrogen; grass; fertiliser	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v004_2015q3.pdf?sfvrsn=2
V005/2015Q3	Research project investigating the efficacy of collagen fibre construct and its effect on peripheral nerve repair in rats	Biomaterials; nerve injury; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v005_2015q3.pdf?sfvrsn=2

V006/2015Q3	A research project investigating the impact of aspirin on breast cancer lymph node metastasis in mice	Breast cancer; lymph node; metastasis; aspirin; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v006_2015q3.pdf?sfvrsn=2
V007/2015Q3	Teaching and competency assessment of clinical skills of undergraduate veterinary students using sheep	Clinical veterinary skills; sheep; blood sample; injections; AI; embryo transfer	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v007_2015q3.pdf?sfvrsn=2
V008/2015Q3	Teaching and assessing clinical skills of undergraduate veterinary students using cattle	Clinical skills; cattle; embryo transfer; oestrous synchronisation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v008_2015q3.pdf?sfvrsn=2
V009/2015Q3	Research study of the functioning of an electrochemical oxygen sensor in a model of ischaemia in pigs	Research; pig; electrochemical sensor; ischaemia	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v009_2015q3.pdf?sfvrsn=2
V010/2015Q3	Research project to investigate the effect of dim red light on circulating melatonin in horses	Red light; melatonin; horse; reproduction	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v010_2015q3.pdf?sfvrsn=2
V011/2015Q3	Research project to develop a mouse model of unstable atherosclerotic plaque and evaluate the efficacy of a novel flavonoid extract in stabilising unstable plaques	Mouse model; atherosclerotic plaque; flavonoid	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v011_2015q3.pdf?sfvrsn=2
V012/2015Q3	Regulatory project for the safety and efficacy testing of a vascular closure device using pigs	Vascular; closure device; implantation; pig	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v012_2015q3.pdf?sfvrsn=2

V013/2015Q3	Research investigation into the role of Neuromedin U in contributing to HER2-targeted drug resistance and metastasis in breast cancer using mouse models	Breast cancer; drug resistance; metastasis; Neuromedin U; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v013_2015q3.pdf?sfvrsn=2
V014/2015Q3	Research project to investigate the role of the endothelium and its glycocalyx in cardiovascular system physiology using pigs	Glycocalyx; endothelium; cardiovascular; diabetes; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v014_2015q3.pdf?sfvrsn=2
V015/2015Q3	Research project to discover new immunotherapeutic approaches for infection, cancer and autoimmune diseases using mice	Immunology; T cells; infection; cancer; autoimmunity	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v015_2015q3.pdf?sfvrsn=2
V016/2015Q3	Research project examining the role of the gut bacteria in the development, progression and prevention of metabolic syndrome in mice and rats	Diabetes; obesity; pharmabiotic; probiotic; mice; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v016_2015q3.pdf?sfvrsn=2
V017/2015Q3	Parasite production project using guinea pigs and rabbits	Ticks; guinea pig; rabbit	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v017_2015q3.pdf?sfvrsn=2
V018/2015Q3	Research project testing new compounds in a mouse model of eye blood vessel development	Mouse; blindness; blood vessel development	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v018_2015q3.pdf?sfvrsn=2
V019/2015Q3	Research project tracking <i>Salmonidae</i> (salmon and trout) off the coast of Ireland	Sea Trout; Atlantic Salmon; telemetry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v019_2015q3.pdf?sfvrsn=2

V020/2015Q3	Research project investigating the treatment of salmon for amoebic gill disease (AGD)	Salmon; amoeba; gills; disease; treatment	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v020_2015q3.pdf?sfvrsn=2
V021/2015Q3	Research project to determine the pharmacokinetic profile of a novel trypanocide compound when administered subcutaneously and intramuscularly in cattle	Trypanosomosis; cattle; treatment; pharmacokinetics; safety	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v021_2015q3.pdf?sfvrsn=2
V022/2015Q3	Research study investigating a novel tissue engineered scaffold in a rabbit limbal stem cell deficiency model	Cornea; limbal stem cells; tissue engineering; collagen; scaffold; rabbits	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v022_2015q3.pdf?sfvrsn=2
V023/2015Q3	Research project investigating the sites and mechanisms of action relating to the modulation of pain by negative affect, using rats	Pain; anxiety; depression; endocannabinoid; opioid; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v023_2015q3.pdf?sfvrsn=2
V024/2015Q3	Research project investigating the effect of administration of antibiotics on <i>E. coli</i> in pigs	Translational and applied research; animal diseases and disorders	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v024_2015q3.pdf?sfvrsn=2
V025/2015Q3	Research project investigating the potential of 5-azacytidine and/or 5-aza-2-deoxycytidine to block the development of cardiac hypertrophy and heart failure in a mouse model of myocardial infarction	Heart failure; cardiac remodelling; epigenetics; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v025_2015q3.pdf?sfvrsn=2
V026/2015Q3	Research into involvement of immune system in concanavalin A-induced increase in intestinal permeability using mice	Concanavalin A; acute liver injury; LPS/TLR4; intestinal permeability; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v026_2015q3.pdf?sfvrsn=2

V027/2015Q3	Research project to evaluate stem cell therapy for wound healing in diabetes using mice	Diabetes; stem cells; ulcers; wound healing; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v027_2015q3.pdf?sfvrsn=2
V028/2015Q3	Research project investigating immunomodulation by novel biomaterials using mice	Immune response; biomaterials; tissue engineering; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v028_2015q3.pdf?sfvrsn=2
V029/2015Q3	Research study on therapeutic options for degenerative ocular disease in mice	Retina; gene therapy; stem cells; Electroretinogram (ERG); optokinetics (OKR); mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v029_2015q3.pdf?sfvrsn=2
V030/2015Q3	Research project tagging salmon	Atlantic; salmon; tracking	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v030_2015q3.pdf?sfvrsn=2
V031/2015Q3	Research project generating new mutant lines with CRISPR injection in zebrafish embryos	Zebrafish; eye; development; mutant; CRISPR	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v031_2015q3.pdf?sfvrsn=2
V032/2015Q3	Research project to generate and establish a new zebrafish line to study embryonic development	Zebrafish; development; embryo; congenital disorders; ARVC	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v032_2015q3.pdf?sfvrsn=2
V033/2015Q3	Research study examining the behavioural and neural correlates of landmark use in spatial memory using rats	Memory; spatial navigation; landmarks; brain; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v033_2015q3.pdf?sfvrsn=2

V034/2015Q3	Research project for the preparation of diagnostic materials for the diagnosis of diseases in birds and horses or for public health related residue detection	Diagnosis; disease; turkeys; chickens; horses	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v034_2015q3.pdf?sfvrsn=2
V035/2015Q3	Research investigation of the neurochemical and behavioural consequences of psychotropic drug administration in the rat	Olfactory bulbectomy; rat; antidepressant modelling; behaviour; neurochemistry	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v035_2015q3.pdf?sfvrsn=2
V036/2015Q3	Research project investigating loading-induced osteoblastogenesis using mice	Loading; osteoblastogenesis; primary cilia; mesenchymal stem cells; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v036_2015q3.pdf?sfvrsn=2
V037/2015Q3	Teaching clinical and reproductive skills to undergraduate veterinary students using horses	Equine; teaching	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v037_2015q3.pdf?sfvrsn=2
V038/2015Q3	Research study investigating the effects of gender and diet and lamb age on the physical, colour and sensory attributes of lamb meat	Lamb; meat; gender; castration; diet	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v038_2015q3.pdf?sfvrsn=2
V039/2015Q3	Research project to determine the effect of feedborne <i>Fusarium</i> mycotoxins and a mycotoxin binder on the performance, metabolism and immunity of early autumn calving dairy cows	Dairy cows; <i>Fusarium</i> mycotoxins; mycotoxin binder; metabolism; immunity	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v039_2015q3.pdf?sfvrsn=2
V040/2015Q3	Research project investigating neurobiological mechanisms underpinning Autism Spectrum Disorders using rats	Autism; social; behaviour; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v040_2015q3.pdf?sfvrsn=2

V041/2015Q3	Research project investigating molecular mechanisms underpinning host-microbe interactions at the intestinal interface in mice	Infection; inflammation; mice; microbiota	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v041_2015q3.pdf?sfvrsn=2
V042/2015Q3	Research project for the preparation of diagnostic materials for the diagnosis of diseases in cattle, sheep and pigs, or for public health related residue detection	Diagnosis; disease; cattle; sheep; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v042_2015q3.pdf?sfvrsn=2
V043/2015Q3	Research project to determine the optimum dietary macronutrient composition to prevent development of obesity, using mice and pigs	Proteins; fat; obesity; mice; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v043_2015q3.pdf?sfvrsn=2
V044/2015Q3	Research study to develop a novel vaccine against the cystic fibrosis-associated pathogen, <i>Burkholderia cepacia</i> complex, using mice	Cystic fibrosis; vaccine; Burkholderia cepacia complex; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v044_2015q3.pdf?sfvrsn=2
V045/2015Q3	Research project investigating the impact of receptors of the Mas-related receptor family on anxiety, depression, memory and learning-like behaviour using mice	Anxiety; depression; MrgD; Mas; behavioural phenotyping; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v045_2015q3.pdf?sfvrsn=2
V046/2015Q3	Research study monitoring juvenile brown trout and Atlantic salmon smolts in the marine environment using PIT tag technology	Brown trout; Atlantic salmon; telemetry; tagging; conservation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v046_2015q3.pdf?sfvrsn=2
V047/2015Q3	Regulatory study to confirm the efficacy of collars containing deltamethrin against artificial infestations of ticks (<i>Ixodes ricinus</i>) in dogs	Veterinary; efficacy; <i>Ixodes ricinus</i> ; collars; dogs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v047_2015q3.pdf?sfvrsn=2

V048/2015Q3	Regulatory project to evaluate the safety of veterinary medicinal products using cats and dogs	Pharmacokinetics; bioequivalence; safety; cats; dogs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v048_2015q3.pdf?sfvrsn=2
V049/2015Q3	Regulatory project to determine the efficacy of test Items/Investigational Veterinary Products for cats and dogs against ectoparasites	Canine; feline; ectoparasites; efficacy	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2015-july---september/v049_2015q3.pdf?sfvrsn=2
