

Non-Technical Project Summary

Period of approval: July – September 2014

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2014Q3	Research study investigating the role of mitochondrial uncoupling proteins (UCP's) in regulating basal metabolic rate using mice	Cold; mitochondria; mammals; energy; proteins; metabolic rate; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v001_2014q3.pdf?sfvrsn=2
V002/2014Q3	Research project investigating the nuclear receptor TLX as a cell intrinsic regulator underlying inflammation and stress-induced changes in hippocampal neurogenesis and relevance to cognitive disorders using rodents	Neurogenesis; inflammation; stress; exercise; cognitive disorders; rats; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v002_2014q3.pdf?sfvrsn=2
V003/2014Q3	Research project into the effect that changes in gut bacteria levels have on urine composition which may be involved kidney stone formation following gastric bypass surgery in a rat model	Rat; gastric bypass; oxalate; probiotic; kidney stone	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v003_2014q3.pdf?sfvrsn=2
V004/2014Q3	Research study investigating the distribution of the sea bass in Irish waters	Sea bass; <i>Dicentrarchus labrax</i> ; biotelemetry; acoustic tagging; PSAT	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v004_2014q3.pdf?sfvrsn=2
V005/2014Q3	Rumenostomy and cannulation of dairy cows for future nutritional and digestibility research studies	Dairy cows; rumen; fistula; cannula; nutrition; grass	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v005_2014q3.pdf?sfvrsn=2

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V006/2014Q3	Research study targeting the causes of brain disorders, particularly Alzheimer's disease, using rats	Alzheimer's disease; memory mechanisms; brain plasticity; animal models; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v006_2014q3.pdf?sfvrsn=2
V007/2014Q3	Research study using radio telemetry to determine adult Atlantic salmon in-river migration timing and distribution	Atlantic salmon; telemetry; counting weir	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v007_2014q3.pdf?sfvrsn=2
V008/2014Q3	Research project investigating the use of nanoparticles as drug carriers for oral delivery of insulin, which is normally injected, using rats	Nanoparticles; oral insulin; diabetes; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v008_2014q3.pdf?sfvrsn=2
V009/2014Q3	Research project investigating the oral delivery of drugs in nanoparticles to cause reduced blood pressure in hypertensive rats	Nanoparticle; oral peptide delivery; food-derived; hypertensive; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v009_2014q3.pdf?sfvrsn=2
V010/2014Q3	Research investigation to characterise ivermectin-resistant <i>Teladorsagia circumcincta</i> (roundworm) in sheep	Anthelmintic resistance; ivermectin; <i>Teladorsagia circumcincta</i> ; nematodes; sheep	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v010_2014q3.pdf?sfvrsn=2
V011/2014Q3	Research study investigating the impact of tuberculin testing on Johne's disease ELISA diagnostics in Irish dairy herds	Johne's disease; tuberculosis testing; bovine; ELISA	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v011_2014q3.pdf?sfvrsn=2
V012/2014Q3	Research study investigating bottlenose dolphins on the west coast of Ireland	Bottlenose dolphin; population structure; genetics	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v012_2014q3.pdf?sfvrsn=2

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V013/2014Q3	Research investigation of novel topical treatment for inflammatory diseases of the skin and eye using vesicles released from human mesenchymal stem cells	Wound healing; skin ulcers; ocular injury; mesenchymal stem cells; exosomes; rabbits; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v013_2014q3.pdf?sfvrsn=2
V014/2014Q3	Research study investigating the effects of gender and lamb age on the physical, colour and sensory attributes of lamb meat	Lamb; meat; gender; castration; age	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v014_2014q3.pdf?sfvrsn=2
V015/2014Q3	Research investigation of the therapeutic efficacy of FXR agonists in a rat model of bile acid diarrhoea	Bile acids; diarrhoea; FXR agonists; intestinal disease; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v015_2014q3.pdf?sfvrsn=2
V016/2014Q3	Research investigation into the mechanisms of cancer formation and evaluation of novel therapeutics for childhood cancers utilising Zebrafish (<i>Danio rerio</i>) models	Zebrafish; neuroblastoma; MYCN gene; therapy; drug discovery	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v016_2014q3.pdf?sfvrsn=2
V017/2014Q3	Research project using multidisciplinary approaches for the development of accurate biological markers of feed efficiency in cattle	Cattle; feed efficiency; forage; biological markers	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v017_2014q3.pdf?sfvrsn=2
V018/2014Q3	Research study to investigate the impact of Toll-like receptor tolerance on tumour cell metastatic potential using mice	Metastasis; toll-like receptor; tolerisation; cancer; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v018_2014q3.pdf?sfvrsn=2
V019/2014Q3	Research study investigating novel approaches for the treatment and prevention of metastatic breast cancer in mice	Breast cancer; metastasis; imaging; novel therapy; biomarkers; rodent model	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v019_2014q3.pdf?sfvrsn=2

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V020/2014Q3	Research study investigating a targeted cyclodextrin for siRNA-based therapy of acute myeloid leukaemia using mice	siRNA delivery; acute myeloid leukaemia; cyclodextrins; mice; chemotherapy	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v020_2014q3.pdf?sfvrsn=2
V021/2014Q3	Research project investigating serotonin transporter regulation in a mouse model of rheumatoid arthritis, to explore changes in mood symptoms (depression) associated with chronic inflammatory disease	Depression; immune system; serotonin; mouse; arthritis	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v021_2014q3.pdf?sfvrsn=2
V022/2014Q3	Research project: National Eel Monitoring Programme	European eel; critically endangered; EU Regulation 1100/2007	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v022_2014q3.pdf?sfvrsn=2
V023/2014Q3	Research investigation into the role of Neuromedin U and miR-630 in contributing to HER2-targeted drug resistance and metastasis in breast cancer using mouse models	Breast cancer; drug resistance; metastasis; Neuromedin U; miR-630; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v023_2014q3.pdf?sfvrsn=2
V024/2014Q3	Research study: national bass monitoring programme	Bass; satellite tags; spawning areas	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v024_2014q3.pdf?sfvrsn=2
V025/2014Q3	Research study to identify and evaluate novel disease modifying agents and cognitive enhancers in a rat developmental model of autism	Autism; rat model; cognition; drug development	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v025_2014q3.pdf?sfvrsn=2

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V026/2014Q3	Research study investigating adverse immune signatures and their prevention in corneal transplantation using rats	Corneal transplantation; adverse immune response; immunomodulatory stromal cells; graft rejection; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v026_2014q3.pdf?sfvrsn=2
V027/2014Q3	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/q3-2014---july---september/v027_2014q3.pdf?sfvrsn=2
V028/2014Q3	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/q3-2014---july---september/v028_2014q3.pdf?sfvrsn=2
V029/2014Q3	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/q3-2014---july---september/v029_2014q3.pdf?sfvrsn=2
V030/2014Q3	Research study investigating the persistence and distribution of oral BCG vaccine in European badgers	Badgers; BCG; vaccination; tuberculosis	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v030_2014q3.pdf?sfvrsn=2
V031/2014Q3	Research investigation to determine the safety and efficacy of <i>Burkholderia cepacia</i> complex (Bcc) antigen as a vaccine candidate using rabbits	Cystic fibrosis; <i>Burkholderia cepacia</i> ; vaccine; rabbits	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v031_2014q3.pdf?sfvrsn=2

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V032/2014Q3	Regulatory study for acute toxicity testing to determine the potential environmental hazards of effluents released by industrial or agricultural activities using fish	Toxicity; fish; environment; waste; pollution	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2014---july---september/v032_2014q3.pdf?sfvrsn=2