

Non-Technical Project Summary

Period of approval: April – June 2015

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2015Q2	Research study investigating Natural Killer (NK) cell metabolism as a determinant of NK cell anti-tumour activity using mice	Cellular metabolism; Natural Killer cells; cancer therapy; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v001_2015q2.pdf?sfvrsn=2
V002/2015Q2	Research project defining the role of novel signalling molecules in intestinal inflammation and colorectal cancer using mice	Inflammation; inflammatory bowel disease; colorectal cancer; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v002_2015q2.pdf?sfvrsn=2
V003/2015Q2	Regulatory study to generate antisera using rabbits, goats and ferrets	Antisera production; vaccines; allergens; high affinity antibodies; ferrets; rabbits; goats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v003_2015q2.pdf?sfvrsn=2
V004/2015Q2	Research project using mesenchymal stem cells to treat liver inflammation in mice	Stem cells; chronic liver disease; inflammation; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v004_2015q2.pdf?sfvrsn=2

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			june/v004_2015q2.pdf?sfvrsn=2
V005/2015Q2	Research project to assess the brain enhancing potential of seaweed and seawater-derived mineral-rich nutraceuticals in rats	Nutraceutical; cognition; neurogenesis; seaweed: seawater; magnesium; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v005_2015q2.pdf?sfvrsn=2
V006/2015Q2	Research project to assess the effect of intravenous immunoglobulin treatment on blood-brain barrier permeability in mice	Blood-brain barrier; immunoglobulin; inflammation; Magnetic Resonance Imaging (MRI); mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v006_2015q2.pdf?sfvrsn=2
V007/2015Q2	Research project investigating microbes as modifiers of the brain epigenetic landscape and the regulatory potential of brain microRNAs using mice	Microbiome; gut-brain-axis; neurodevelopmental disease; anxiety, non-coding RNA; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v007_2015q2.pdf?sfvrsn=2
V008/2015Q2	Research project investigating the efficacy of anticoagulants as a treatment for early onset preeclampsia using mice	Preeclampsia; anticoagulant; pregnancy; anti-inflammatory; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v008_2015q2.pdf?sfvrsn=2

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V009/2015Q2	Research study exploring the development of a novel dual function anti-restenotic and myocardial repair coronary stent and its evaluation in a porcine myocardial infarction model	Coronary stent; myocardial infarction; dual drug eluting stent; IGF-1; myocardial repair; pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v009_2015q2.pdf?sfvrsn=2
V010/2015Q2	Research project to develop delivery of novel sustained-release drug formulations to the posterior eye with the aim of inhibiting adverse vascular growth and inflammation within the eye, using rats	Rat; neovascularisation; microparticles; drug-delivery	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v010_2015q2.pdf?sfvrsn=2
V011/2015Q2	Research study investigating the effects of an intra-articular injection of a nanomedicine on an experimentally-induced inflammatory arthritis in the horse	Osteoarthritis; horse; salmon calcitonin; nanomedicine	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v011_2015q2.pdf?sfvrsn=2
V012/2015Q2	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/q2-2015-april---june/v012_2015q2.pdf?sfvrsn=2

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V013/2015Q2	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/q2-2015-april---june/v013_2015q2.pdf?sfvrsn=2
V014/2015Q2	Research investigation into the development of novel methodology to predict feed intake and feed conversion efficiency in cattle and sheep	Dry matter intake; dairy cows; suckler cows; sheep; feed conversion efficiency	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v014_2015q2.pdf?sfvrsn=2
V015/2015Q2	Research project targeting multidrug resistance in glioblastoma multiforme using mice	Glioblastoma multiforme; brain cancer; MRPs; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v015_2015q2.pdf?sfvrsn=2
V016/2015Q2	Research project comparing novel tissue engineering strategies for the repair of critically sized femoral defects using rats	Rat; bone; scaffold; tissue engineering, repair	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v016_2015q2.pdf?sfvrsn=2
V017/2015Q2	Research project to determine the	Trypanasomosis; cattle; injection site tolerance;	http://www.hpra.ie/docs/default-

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	injection site toleration of a novel trypanocide compound (DG2) when administered intramuscularly in cattle	safety	source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v017_2015q2.pdf?sfvrsn=2
V018/2015Q2	Research study comparing Irish and New Zealand sheep genetics	Sheep; genetic index; validation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v018_2015q2.pdf?sfvrsn=2
V019/2015Q2	Research project aimed at developing an improved longer-lasting treatment for patients with the inherited bleeding disorders von Willebrand disease and Haemophilia A, using mice.	VWF; FVIII; clearance; haemophilia A; von Willebrand disease	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v019_2015q2.pdf?sfvrsn=2
V020/2015Q2	A research project investigating the effect of feed additives on the transmission of <i>Salmonella</i> in pigs	<i>Salmonella</i> ; infection; animal feed, pigs; organic acids	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v020_2015q2.pdf?sfvrsn=2
V021/2015Q2	Research investigation to identify the	Breast cancer; drug; resistance; endocrine; mice	http://www.hpra.ie/docs/default-

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	causes of resistance to hormone therapy in breast cancer using mouse models.		source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v021_2015q2.pdf?sfvrsn=2
V022/2015Q2	Research study investigating the effect of stress on the development of liver disease and cirrhosis using rats	Stress; Liver disease; cirrhosis; brain; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v022_2015q2.pdf?sfvrsn=2
V023/2015Q2	Research project investigating the impact of different reperfusion approaches on haemorrhagic transformation development following an acute occlusive stroke using rats	Stroke; occlusion; haemorrhagic transformation; reperfusion; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v023_2015q2.pdf?sfvrsn=2
V024/2015Q2	Research project profiling a liposomally encapsulated protein therapeutic drug delivery system intended to extend release profile and target specific tissues within the body, using rats	Rat; biological; distribution; toxicity; targeting	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q2-2015-april---june/v024_2015q2.pdf?sfvrsn=2