

Non-Technical Project Summary

Period of approval: April – June 2016

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2016Q2	Research project investigating exercise as a neuroprotectant against age-related neurodegeneration and Alzheimer's disease using mice	Ageing; Alzheimer's disease; exercise; cognition; neurogenesis; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v001_2016q2.pdf?sfvrsn=2
V002/2016Q2	Research project investigating loading-induced osteoblastogenesis using mice	Loading; osteoblastogenesis; primary cilia; adenylyl cyclase 6; mesenchymal stem cells; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v002_2016q2.pdf?sfvrsn=2
V003/2016Q2	Research project to determine the pharmacokinetics and local tolerance of a range of related novel trypanocide compounds in cattle	Trypanosomosis; cattle; treatment; pharmacokinetics; safety	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v003_2016q2.pdf?sfvrsn=2
V004/2016Q2	Research study investigating the efficacy of a vaccine to protect cattle against liver fluke infection	Cattle; <i>Fasciola hepatica</i> ; liver fluke; vaccine	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v004_2016q2.pdf?sfvrsn=2
V005/2016Q2	Research project investigating the therapeutic role of collagen in spinal cord transection injury using rats	Rat; spinal cord; glial scar; biomaterials; collagen; tissue engineering	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v005_2016q2.pdf?sfvrsn=2
V006/2016Q2	Research project investigating the circadian regulation of allergic asthma using mice	Asthma; circadian rhythm; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v006_2016q2.pdf?sfvrsn=2

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V007/2016Q2	Research project investigating gender differences in the Wistar Kyoto genetic rat model of depression	Wistar Kyoto; depression; gender; rat	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v007_2016q2.pdf?sfvrsn=2
V008/2016Q2	Research project on the roles of skin and neuronal receptors in inflammation, itch and pain in mice	Inflammation; itch; pain; dermatitis; mouse	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v008_2016q2.pdf?sfvrsn=2
V009/2016Q2	Research project: mesenchymal stem cells for the treatment of systemic sepsis using rats	Sepsis; mesenchymal stem cells; inflammation; rats	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v009_2016q2.pdf?sfvrsn=2
V010/2016Q2	Research project: pre-clinical investigation of the neovascularization capacity of mesenchymal stem cells from different sources using mice	Mesenchymal stem cells; hind limb ischemia mouse model	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v010_2016q2.pdf?sfvrsn=2
V011/2016Q2	Research study investigating diabetes induced sperm DNA fragmentation using mice	Diabetes; diet; infertility; DNA damage; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v011_2016q2.pdf?sfvrsn=2
V012/2016Q2	Research study to determine the toxicity of Burkholderia cepacia complex (Bcc) antigen as a vaccine candidate using rabbits	Cystic fibrosis; <i>Burkholderia cepacia</i> vaccine; rabbits	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v012_2016q2.pdf?sfvrsn=2
V013/2016Q2	Research project assessing the delivery of Herceptin (trastuzumab), through the blood brain barrier using a bio-nanoplatform in a mouse model of HER2+ breast cancer brain metastasis	Blood brain barrier; immunotherapy; trastuzumab; nanoparticles; mouse; breast cancer	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v013_2016q2.pdf?sfvrsn=2
V014/2016Q2	Translational pharmacology research project for drug discovery using rats and mice	Drug discovery; rat; mouse; depression	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v014_2016q2.pdf?sfvrsn=2

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V015/2016Q2	Research project examining the immune properties following Fasciola hepatica infection and injection of native and recombinant F. hepatica derived molecules using mice	Fasciola hepatica; liver fluke; immune system; vaccine; anti-inflammatory; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v015_2016q2.pdf?sfvrsn=2
V016/2016Q2	Research project investigating the influence of the anaesthetic gas, xenon, on disease recurrence and metastasis in the 4T1 pre-clinical mouse model of breast cancer	Cancer; surgery; anaesthesia; recurrence; metastasis; xenon; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v016_2016q2.pdf?sfvrsn=2
V017/2016Q2	Research project evaluating the effects of angiotensin peptides and non-peptide agonists in mice with multiple low dose-streptozotocin (MLD-STZ) induced diabetes	Diabetes; hyperglycaemia; mice; angiotensin	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v017_2016q2.pdf?sfvrsn=2
V018/2016Q2	Research project investigating the influence of metabolic modulators on the innate immune response using mice	Innate immunity; inflammation; metabolism; LPS; lipopolysaccharide; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v018_2016q2.pdf?sfvrsn=2
V019/2016Q2	Research project investigating novel anti-inflammatory therapies using mice	Anti-inflammatory therapies; liver fluke; skin graft; immune system; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v019_2016q2.pdf?sfvrsn=2
V020/2016Q2	Research investigation to identify the causes of resistance to hormone therapy in breast cancer using mouse models	Breast cancer; drug; resistance; endocrine; mice	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v020_2016q2.pdf?sfvrsn=2
V021/2016Q2	Research study comparing the impact of metabolic surgery and bariatric mimetic therapy on the microvascular complications of diabetes using rats	Rat; gastric bypass; multimodal therapy; obesity; diabetes; kidney disease; eye disease	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v021_2016q2.pdf?sfvrsn=2

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V022/2016Q2	Research study comparing Irish and New Zealand sheep genetics	Sheep; genetic index; validation	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v022_2016q2.pdf?sfvrsn=2
V023/2016Q2	Research to identify predictive biomarker signatures for the anticancer drug Regorafenib using mouse and rat models of colorectal cancer	Cancer; Regorafenib; biomarkers; mouse; rat	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v023_2016q2.pdf?sfvrsn=2
V024/2016Q2	Research project investigating the role of epithelium-derived gremlin in the inflammatory and hypertensive responses of the mouse lung to hypoxia	Pulmonary hypertension; hypoxia; epithelium; gremlin; mouse	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v024_2016q2.pdf?sfvrsn=2
V025/2016Q2	Research project using dietary manipulation to reduce ammonia emissions from beef cattle	Beef cattle; diet; Nitrogen metabolism; ammonia; rumen cannulation	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v025_2016q2.pdf?sfvrsn=2
V026/2016Q2	Research project investigating the effect of encapsulation on the survival of a probiotic strain during digestive transit in pigs	Pigs; probiotic; mucosal adhesion; encapsulation	http://www.hpra.ie/docs/default-source/q2-2016-april---june/v026_2016q2.pdf?sfvrsn=2