

Non-Technical Project Summary

Period of approval: Q3 July – September 2019

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2019Q3	Research project to investigate the efficacy of a vaccine to protect horses against viral infection	Horse; vaccine; virus; efficacy	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v001_2019q3.pdf?sfvrsn=2
V002/2019Q3	Teaching and assessing competency in clinical skills involving cattle relevant to veterinary degree programmes	Veterinary; teaching; clinical skills; cattle	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v002_2019q3.pdf?sfvrsn=2
V003/2019Q3	Research into the role of the role of TIR adapters and inflammatory caspases in a mouse model of retinal degeneration	Mouse; age-related macular degeneration (AMD); blindness; retina; immune system; cytokines; oxidative stress	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v003_2019q3.pdf?sfvrsn=2
V004/2019Q3	Research studies into the relationship between gut dysbiosis and chronic kidney disease in rats	Wistar rats; gut dysbiosis; kidney function; chronic kidney disease; inflammation; glomerular filtration rate; sodium excretion; faecal material transplantation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v004_2019q3.pdf?sfvrsn=2
V005/2019Q3	Research study to characterize the respiratory microbiome and virome associated with the development of bovine respiratory disease (BRD) in dairy and beef calves	Bovine; bovine respiratory disease; microbiome; virome; molecular diagnostics; calves	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v005_2019q3.pdf?sfvrsn=2

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V006/2019Q3	Research targeting the causes of brain disorders, especially Alzheimer's disease, using rats	Rats; early Alzheimer's disease; brain dysfunction; dementia; memory impairment; therapies	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v006_2019q3.pdf?sfvrsn=2
V007/2019Q3	Research into neuronal and network activity in rat models of microbiome disruption & behavioural impairment	Microbiome; neurons; networks; behaviour; rats; mood; cognition; probiotics	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v007_2019q3.pdf?sfvrsn=2
V008/2019Q3	Research into novel probiotic interventions to influence host inflammation and reduce infection in mice	Obesity; weight gain; <i>Listeria</i> ; infection; probiotic; therapeutic; barrier function	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v008_2019q3.pdf?sfvrsn=2
V009/2019Q3	Research on the evaluation of the therapeutic potential of angiotensin agonists and their receptors in diseases with compromised endothelial barrier function using mice	Cerebral malaria; mouse; endothelial barrier function; haemorrhagic stroke	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v009_2019q3.pdf?sfvrsn=2
V010/2019Q3	A research project to investigate the migration of silver eels from inland waters to the sea	<i>Anguilla anguilla</i> ; telemetry; fish; silver eel; migration; predator mortality	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v010_2019q3.pdf?sfvrsn=2
V011/2019Q3	Routine collection of cattle blood for use in <i>in vitro</i> assays	Blood; cells; <i>in vitro</i> assay; calibration; bovine; cattle	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v011_2019q3.pdf?sfvrsn=2
V012/2019Q3	Research investigation into improved glaucoma treatment in mice	Glaucoma; Schlemm's canal; RNAi; siRNA; Myocillin; MMP-3; gene therapy; IOP; NDI1	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v012_2019q3.pdf?sfvrsn=2

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V013/2019Q3	Research into epigenetic changes and immune cell function in mycobacterial disease susceptibility and detection in cattle	Bovine tuberculosis; BTB; blood sample; epigenetics; immune cell function; cattle	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v013_2019q3.pdf?sfvrsn=2
V014/2019Q3	Research on the use of dietary supplements to improve the mineral, metabolic and energy status of high yielding dairy cows in the transition period	Bovine; dairy; milk production; digestion; nutrition; feed additive; transition cow; calcium; immune function; energy status	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v014_2019q3.pdf?sfvrsn=2
V015/2019Q3	Research into the role of the IL-1 family in retinal degeneration using mice	Mice; age-related macular degeneration; blindness; retina; immune system; cytokines; neovascularisation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v015_2019q3.pdf?sfvrsn=2
V016/2019Q3	Research project analysing the effects of molecules with anti-inflammatory properties on age-related changes in the brain using a mouse model of Alzheimer's disease	Neuroinflammation; Alzheimer's disease; brain; mice; microglia; cognitive function	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v016_2019q3.pdf?sfvrsn=2
V017/2019Q3	Research project to assess the effects of Neurotoxin Type A on lower limb function using the Digit Abduction Score (DAS) Assay in rats	Neurotoxin; rat; Digit Abduction Score	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v017_2019q3.pdf?sfvrsn=2
V018/2019Q3	Research project to determine the potency value of a novel neurotoxin substance using mice	Neurotoxin; mouse; potency test	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v018_2019q3.pdf?sfvrsn=2

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V019/2019Q3	Teaching and assessing clinical and reproductive skills in horses to undergraduate veterinary students	Horses; equine veterinary teaching; veterinary medicine; clinical skills; reproductive skills; artificial insemination; injections	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v019_2019q3.pdf?sfvrsn=2
V020/2019Q3	Research on the development of low cost tools for estimating the environmental footprint in sheep	Genetics; sheep; feed intake; methane emissions	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v020_2019q3.pdf?sfvrsn=2
V021/2019Q3	Research project for the development and testing of vaccines for fasciolosis (liver fluke disease) in sheep	Sheep; liver fluke; parasite; vaccine	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v021_2019q3.pdf?sfvrsn=2
V022/2019Q3	Teaching and assessing competency clinical skills of undergraduate veterinary students using sheep	Clinical veterinary skills; sheep; blood sample; injections; artificial insemination; embryo transfer	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v022_2019q3.pdf?sfvrsn=2
V023/2019Q3	Research project investigating novel therapies for Parkinson's disease in rat models	Parkinson's disease; cell therapies; stem cells; biomaterials; collagen; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v023_2019q3.pdf?sfvrsn=2
V024/2019Q3	Research investigation into the mechanisms underpinning circulatory clearance of coagulation proteins Von Willebrand Factor-Factor VIII complex, using mice	Mice; pharmacokinetic study; coagulation; Von Willebrand disease; haemophilia; bleeding disorder	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v024_2019q3.pdf?sfvrsn=2

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V025/2019Q3	Imaging service in animal research involving rodents	Rat; mouse; magnetic resonance imaging; MRI; ultrasound; echocardiography; micro-CT	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v025_2019q3.pdf?sfvrsn=2
V026/2019Q3	Research assessing the impact of anti-inflammatory compounds on Adeno-associated viral vector generated preclinical models of Parkinson's disease in rats	Rat; animal model; Parkinson's disease; alpha-synuclein; behaviour; dopamine	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v026_2019q3.pdf?sfvrsn=2
V027/2019Q3	Preclinical interrogation of novel immunotherapy treatment strategies in glioblastoma (GBM) using a clinically relevant disease model	Glioblastoma; cancer; tumour; checkpoint inhibitor; immunotherapy; surgery; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v027_2019q3.pdf?sfvrsn=2
V028/2019Q3	Research to identify functional genetic variation and blood-based biomarkers in cattle associated with the infection that causes bovine tuberculosis	Cattle; Mycobacterium bovis; bovine tuberculosis; genetic variation; biomarker; gene expression	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v028_2019q3.pdf?sfvrsn=2
V029/2019Q3	Research project identifying the importance of innate immune signalling pathways during infection, disease and injury, using mice	Mouse; inflammation; colitis; psoriasis; skin healing; bacterial infection	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v029_2019q3.pdf?sfvrsn=2
V030/2019Q3	Research study investigating mouse models of Haemophilia A	Haemophilia A; coagulation; bleeding disorder; FVIII; inhibitor; haemophilic arthritis; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v030_2019q3.pdf?sfvrsn=2

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V031/2019Q3	GMP manufacture of a stem cell / scaffold product for treatment of wounds in a mouse model of diabetes	Diabetes; mesenchymal stem cells; MSCs; wound healing; macromolecular crowding	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v031_2019q3.pdf?sfvrsn=2
V032/2019Q3	Research into Bromodomain and Extra-terminal motif (BET) inhibition as a therapeutic strategy for invasive lobular breast cancer using mice	Breast cancer; invasive lobular carcinoma; therapeutics; BET inhibition; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v032_2019q3.pdf?sfvrsn=2
V033/2019Q3	Research to investigate the effect of a non-hormonal device in an animal model of endometriosis using rats.	Endometriosis; treatment; non-hormonal device; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v033_2019q3.pdf?sfvrsn=2
V034/2019Q3	Research in cardiovascular pathologies	Rat; mouse; myocardial infarct; heart failure; cardiovascular	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v034_2019q3.pdf?sfvrsn=2
V035/2019Q3	Research into of the distribution and migrations of marine fish (European Sea Bass, (<i>Dicentrarchus labrax</i>), Pollack (<i>Pollachius pollachius</i>), Saithe (<i>Pollachius virens</i>), Cod (<i>Gadus morhua</i>), Bluefin tuna (<i>Thunnus thynnus</i>) and Salmon (<i>Salmo salar</i>)), with particular reference to Irish coastal waters	Sea bass; pollack; saithe; cod; bluefin tuna; salmon; electronic tagging; satellite tags; telemetry; conservation; preservation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2019-july---september/v035_2019q3.pdf?sfvrsn=2