

## Non-Technical Project Summary

Period of approval: Q4 October-December 2018

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2018Q4	Research to determine the impact of feed type and sheep breed on animal performance during late pregnancy and early lactation	Sheep; pregnancy; feeding; nutrition; wheat silage; grass silage; lamb; immunity	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v001_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v001_2018q4.pdf?sfvrsn=2</a>
V002/2018Q4	Regulatory study to determine the potency of hormone preparations using rats	Hormone; fertility; potency testing; rat	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v002_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v002_2018q4.pdf?sfvrsn=2</a>
V003/2018Q4	Research to validate biomarkers for uterine disease in post-partum dairy cows	Dairy cows; post calving; uterine infection; biomarker; diagnosis	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v003_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v003_2018q4.pdf?sfvrsn=2</a>
V004/2018Q4	A trilogy of stressors in the neonatal intensive care unit (NICU): research towards therapy for preterm adversity using a rat model	Rat; neonatal; low oxygen; high oxygen; cardio-respiratory; inflammation	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v004_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v004_2018q4.pdf?sfvrsn=2</a>
V005/2018Q4	Research into the behaviour, health, welfare and ecology of wild deer in Ireland	Deer; GPS mapping; behaviour; welfare; deer management; genetics	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v005_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v005_2018q4.pdf?sfvrsn=2</a>
V006/2018Q4	Research project to understand the implication of estrogen deficiency on bone tissue and cells of rats to understand osteoporosis	Osteoporosis; estrogen; mineralisation; mechanobiology; rat	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v006_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v006_2018q4.pdf?sfvrsn=2</a>
V007/2018Q4	Research into the effects of low oxygen levels on diaphragm muscle function using rats	Wistar rat; hypoxia; diaphragm muscle function; oxygen	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v007_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v007_2018q4.pdf?sfvrsn=2</a>

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V008/2018Q4	Research project investigating new therapies for the fatal degenerative disorder Krabbe disease using the twitcher mouse model	Krabbe disease; twitcher mice; fingolimod; pFTY720	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v008_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v008_2018q4.pdf?sfvrsn=2</a>
V009/2018Q4	Research into the genetics surrounding age at onset of puberty and semen quality traits in Holstein-Friesian bulls	Bovine; puberty; genetics; semen; sexual maturation	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v009_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v009_2018q4.pdf?sfvrsn=2</a>
V010/2018Q4	Research into how a defined bacterial community can improve gut health during ageing using mice	Mouse; ageing; microbiota; germ-free; inflammation	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v010_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v010_2018q4.pdf?sfvrsn=2</a>
V011/2018Q4	Regulatory study to conduct the in vivo phase of vaccine immunogenicity/immunopotency studies using ferrets	Immunogenicity; immunopotency; vaccines; ferrets; influenza	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v011_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v011_2018q4.pdf?sfvrsn=2</a>
V012/2018Q4	Research to alter body weight gain in mouse offspring, from early life, by changing the mother's diet	Proteins; fat; obesity; diet; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v012_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v012_2018q4.pdf?sfvrsn=2</a>
V013/2018Q4	Pre-clinical research of nerve guidance conduits and decellularised nerve grafts for peripheral nerve repair, using a rat model of peripheral nerve injury	Nerve regeneration; rat; nerve guidance conduit; decellularised nerve graft; biomaterials; sciatic nerve	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v013_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v013_2018q4.pdf?sfvrsn=2</a>
V014/2018Q4	Regulatory project to investigate the efficacy of a vaccine to protect horses against viral infection	Horse; vaccine; virus; efficacy	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v014_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v014_2018q4.pdf?sfvrsn=2</a>
V015/2018Q4	Research project investigating stress responses and tRNA cleavage in amyotrophic lateral sclerosis (ALS) using mice	ALS; mouse; stress response	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v015_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v015_2018q4.pdf?sfvrsn=2</a>

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V016/2018Q4	Research on the estimation of inter-animal genetic variability in onset of puberty in beef cattle, and feed intake in beef and dairy cattle measured in a commercial environment	Genetics; puberty; feed intake; beef and dairy cattle; bovine	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v016_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v016_2018q4.pdf?sfvrsn=2</a>
V017/2018Q4	Regulatory study to conduct the in vivo phase of vaccine immunogenicity/immunopotency studies using mice	Immunogenicity; immunopotency; vaccines; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v017_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v017_2018q4.pdf?sfvrsn=2</a>
V018/2018Q4	Research investigating the use of PROMAST, a novel probiotic for the treatment of mastitis in cattle	Mastitis; probiotics; PROMAST; non-antibiotic; bovine	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v018_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v018_2018q4.pdf?sfvrsn=2</a>
V019/2018Q4	Research study investigating the role of the respiratory microbiome in the pathogenesis of CNS autoimmunity in mice	Bacteria; mouse; respiratory tract; CNS; autoimmunity; T cells; multiple sclerosis; EAE	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v019_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v019_2018q4.pdf?sfvrsn=2</a>
V020/2018Q4	Research into the use of extracellular vesicles for detection and treatment of breast cancer in a mouse model of disease	Breast cancer; extracellular vesicles; microRNA; mouse	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v020_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v020_2018q4.pdf?sfvrsn=2</a>
V021/2018Q4	Research project investigating the influence of conceptus size on the ability to establish and maintain pregnancy in cattle	Bovine; conceptus; elongation; pregnancy establishment	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v021_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v021_2018q4.pdf?sfvrsn=2</a>
V022/2018Q4	Regulatory study to test the potency of vaccine products using guinea pigs	Potency testing; guinea pig; vaccines	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v022_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v022_2018q4.pdf?sfvrsn=2</a>
V023/2018Q4	Research into the factors influencing the analgesic efficacy of botulinum neurotoxin-based therapeutics and their underlying mechanisms	Chronic pain; peripheral sensitisation; botulinum neurotoxin; neuro-therapeutics; rats; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v023_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v023_2018q4.pdf?sfvrsn=2</a>

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V024/2018Q4	Research on ecological and genetic characteristics of eel and stickleback morphs (same species, different characteristics) in Ireland	Eel; stickleback; ecotype; ecology; genetic; microbiome; oxygen consumption	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v024_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v024_2018q4.pdf?sfvrsn=2</a>
V025/2018Q4	Research on mesenchymal stromal cell therapy in mouse models of asthma	Mouse; asthma; cell therapy; mesenchymal stromal cell	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v025_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v025_2018q4.pdf?sfvrsn=2</a>
V026/2018Q4	Research project investigating the use of novel biomaterials and composite scaffolds for the repair of chondral and osteochondral defects in a goat translational model	Goat; cartilage; repair; biomaterial; scaffold; chondral; osteochondral	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v026_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v026_2018q4.pdf?sfvrsn=2</a>
V027/2018Q4	Regulatory study involving safety, toxicity and pyrogen tests for specific medicinal products using mice, rats, rabbits, guinea pigs and hamsters	Safety; toxicity; mouse; guinea pig; rabbit; rat; hamster	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v027_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v027_2018q4.pdf?sfvrsn=2</a>
V028/2018Q4	Research project on the effect of an anti-microbial peptide on weight gain and the microbiota of pigs	Pigs; anti-microbial peptide; encapsulation; microbiota; gut pathogen	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v028_2018q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2018-october---december/v028_2018q4.pdf?sfvrsn=2</a>