

## Non-Technical Project Summary

Period of approval: Q4 October – December 2017

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2017Q4	Research project to investigate the efficacy of a vaccine to protect horses against viral infection	Horse; vaccine; virus; efficacy; infection	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v001_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v001_2017q4.pdf?sfvrsn=2</a>
V002/2017Q4	Research project investigating the host response of Atlantic salmon ( <i>Salmo salar</i> ) infected with <i>Neoparamoeba perurans</i>	Atlantic salmon; smolts; amoebic gill disease; AGD; <i>Neoparamoeba perurans</i> ; immunology	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v002_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v002_2017q4.pdf?sfvrsn=2</a>
V003/2017Q4	Research project investigating the role of novel IL-36 family members in autoimmune disease using mice	Autoimmune disease; inflammatory bowel disease; psoriasis; immune system; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v003_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v003_2017q4.pdf?sfvrsn=2</a>
V004/2017Q4	Research project: evaluating the anti-inflammatory potential of encapsulated Cyclosporine A for inflammatory bowel diseases, using mice	Ulcerative colitis; encapsulation; cyclosporine A; intestinal inflammation; local delivery; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v004_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v004_2017q4.pdf?sfvrsn=2</a>

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V005/2017Q4	Research project: Creation and management of genetically altered mice	Mouse; transgenics; rederivation; cryopreservation; CRISPR; husbandry	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v005_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v005_2017q4.pdf?sfvrsn=2</a>
V006/2017Q4	Research project investigating the role of IL-36 in the pathogenesis of psoriasis using mice	Mice; translational medicine; psoriasis; interleukins; immunotherapy	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v006_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v006_2017q4.pdf?sfvrsn=2</a>
V007/2017Q4	Research and development of a guinea pig implant infection model and its use for the identification, development and evaluation of a prophylactic vaccine to prevent implant associated infections	Guinea pig; implants; implant infection; <i>Propionibacterium acnes</i> ; prophylactic vaccine; immune-response; active immunisation	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v007_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v007_2017q4.pdf?sfvrsn=2</a>
V008/2017Q4	Research project examining alterations in biomarkers of early pregnancy following embryo loss in dairy cattle	Cattle; pregnancy; biomarkers; embryo loss; reproduction	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v008_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v008_2017q4.pdf?sfvrsn=2</a>
V009/2017Q4	Research project for developing psychobiotics (probiotic with a potential of improving psychiatric condition) for Autism spectrum disorders (ASD) and other psychiatric disorders in mice	Autism Spectrum Disorder (ASD); mouse models; probiotics; behavioural tests; microbiota	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v009_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v009_2017q4.pdf?sfvrsn=2</a>

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V010/2017Q4	Research project: can perioperative anaesthetic-analgesic techniques during cancer surgery influence cancer outcome? Reduction in metastatic disease in the 4T1 mouse model of breast cancer?	Cancer; surgery; anaesthesia; recurrence; metastasis; lidocaine; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v010_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v010_2017q4.pdf?sfvrsn=2</a>
V011/2017Q4	A research project to evaluate the effects of rearing young female pigs with young male pigs and adding a mineral supplement to their diet, and assessing their piglet's performance and welfare	Pigs; welfare; gilts; stress; post-natal; behaviour; zinc; manganese; copper; minerals	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v011_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v011_2017q4.pdf?sfvrsn=2</a>
V012/2017Q4	Research Project: The Biocompatibility of a Novel Injectable Biomaterial for the Embolization of Hepatocellular Carcinoma using mice	Mice; novel injectable embolization polymer; cancer; tumour; biocompatibility; medical device	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v012_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v012_2017q4.pdf?sfvrsn=2</a>
V013/2017Q4	Research project: An evaluation of the effects of mineral supplementation on ewe reproductive performance and the performance of their progeny	Trace minerals; ewe fertility; lamb performance supplementation; cobalt; deficiency	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v013_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v013_2017q4.pdf?sfvrsn=2</a>
V014/2017Q4	Research project investigating therapeutic efficacy of mesenchymal stromal cells (MSC) in mouse models of sepsis	MSCs; cell therapy; sepsis; mouse; septic shock.	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v014_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v014_2017q4.pdf?sfvrsn=2</a>

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V015/2017Q4	Research project investigating intentional weight loss as a treatment for endometrial cancer using rats	Obesity; endometrial cancer; rats; vertical sleeve gastrectomy; liraglutide	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v015_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v015_2017q4.pdf?sfvrsn=2</a>
V016/2017Q4	Research project investigating the therapeutic effectiveness of two novel agents in a rodent model of polymicrobial sepsis	Sepsis; mesenchymal stem cells; MSCs; ARDS; cilengitide; rodent	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v016_2017_q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v016_2017_q4.pdf?sfvrsn=2</a>
V017/2017Q4	Research project: measurement of seroconversion in badgers vaccinated with BCG vaccine strain Sofia by the intra-muscular route	Badgers, BCG, vaccination, serology; tuberculosis	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v017_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v017_2017q4.pdf?sfvrsn=2</a>
V018/2017Q4	Research project evaluating a bilayer xenograft as postoperative antiadhesion barrier for <i>flexor digitorum profundus</i> tendon repair using rabbits	Flexor; tendon; regeneration; barrier; adhesion; rabbit	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v018_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v018_2017q4.pdf?sfvrsn=2</a>
V019/2017Q4	A research project investigating the role of a novel protein in diseases associated with vascular dysfunction and inflammation using mice	vascular dysfunction; sepsis; obesity; mice	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v019_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v019_2017q4.pdf?sfvrsn=2</a>

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V020/2017Q4	Research project investigating sea lamprey, dace and brown trout movement patterns in a Special Area of Conservation (SAC) in Ireland	Sea lamprey; dace; brown trout; tracking; spawning; migration; barrier; fish	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v020_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v020_2017q4.pdf?sfvrsn=2</a>
V021/2017Q4	Research project investigating the innate immune system in obesity and obesity-related diseases using mice	Innate immune system; cancer; obesity; metabolism; diabetes; mouse	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v021_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v021_2017q4.pdf?sfvrsn=2</a>
V022/2017Q4	Research project to determine the therapeutic effectiveness of two novel agents in clinically-relevant rodent models of bacterial pneumonia	Mesenchymal stem cells; cilengitide; pneumonia; ARDS; rat; mouse; rodent	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v022_2017q4.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q4-2017-october---december/v022_2017q4.pdf?sfvrsn=2</a>