

Non-Technical Project Summary

Period of approval:

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2017Q3	Research project to evaluate a probiotic <i>Bacillus</i> strain as a substitute for in-feed medication for newly weaned pigs	Probiotic; <i>Bacillus</i> ; sow; pig; antibiotics; ZnO; zinc oxide	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v001_2017q3.pdf?sfvrsn=2
V002/2017Q3	Research project: Evaluating the anti-inflammatory potential of Lactobacillus strains and recombinant proteins as future therapeutics for intestinal inflammation in a mouse model of inflammatory bowel disease	Lactobacilli strains; probiotics; intestinal inflammation; Lactic-co-Glycolic Acid; PLGA; inflammatory bowel disease; IBD; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v002_2017q3.pdf?sfvrsn=2
V003/2017Q3	Research project: Characterisation of differences in cervical function in ewe breeds known to have divergent fertility following artificial insemination with frozen-thawed semen	Sheep; reproduction; artificial insemination; cervix; fertility	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v003_2017q3.pdf?sfvrsn=2
V004/2017Q3	Research project investigating the effect of L-carnitine inclusion during gestation and lactation on sow performance and muscle development in offspring	Sow; piglet; carnitine; muscle fibre; nutrition; welfare	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v004_2017q3.pdf?sfvrsn=2

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V005/2017Q3	Research project investigating the efficacy and tolerance of a fluorescent biomodulation system in the healing of canine skin wounds	Canine; dog; wound; healing; biomodulation; gel	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v005_2017q3.pdf?sfvrsn=2
V006/2017Q3	Research study evaluating the effects of supplementation with cobalt and vitamin B ₁₂ , method of administration and frequency of oral drenching on the blood mineral status of lambs post weaning	Trace minerals; supplementation; cobalt; vitamin B ₁₂ ; lambs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v006_2017q3.pdf?sfvrsn=2
V007/2017Q3	An investigation of the distribution of the sea bass (<i>Dicentrarchus labrax</i>), Pollock (<i>Pollachius pollachius</i>), salmon (<i>Salmo salar</i>) and Bluefin tuna (<i>Thunnus thynnus</i>) in Irish waters	Seabass, pollock, bluefin tuna, salmon, acoustic tagging, PSAT	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v007_2017q3.pdf?sfvrsn=2
V008/2017Q3	Research project investigating memory engram maintenance and expression in mice	Memory; mouse; brain; optogenetics; engram	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v008_2017q3.pdf?sfvrsn=2
V009/2017Q3	Research project on the immunological aspects of follicle ovulation and corpus luteum formation in cattle	Cow; fertility; immune system; ovulation; ovary; pregnancy	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v009_2017q3.pdf?sfvrsn=2

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V010/2017Q3	Research project: establishment of clinically relevant, orthotopic PDX models of brain malignancies using mice	Glioblastoma (GBM); patient derived xenograft (PDX); lung cancer derived brain cancer metastases (LCBM); brain malignancies; mouse; cancer	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v010_2017q3.pdf?sfvrsn=2
V011/2017Q3	Research project: characterisation of the local responses to brain electrodes using rats	Deep brain stimulation; chronically implanted electrodes; bioimpedance; nerve inflammation	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v011_2017q3.pdf?sfvrsn=2
V012/2017Q3	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/q3-2017-july---september/v012_2017q3.pdf?sfvrsn=2
V013/2017Q3	Research project investigating the effects of bacteriophage on the microbiota-gut-brain axis using mice	Microbiota-gut-brain axis; bacteriophage; stress; anxiety; depression; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v013_2017q3.pdf?sfvrsn=2
V014/2017Q3	Research project investigating blood brain barrier dysfunction and CSF1R biology using	Neurovascular disease; immunopathology; dementia; cancer; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v014_2017q3.pdf?sfvrsn=2

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V015/2017Q3	Research project: investigating the migratory behaviour and general ecology of marine fish of commercial and conservation value in Irish waters	Migration; residency; endangered species; elasmobranchs; teleosts; fish	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v015_2017q3.pdf?sfvrsn=2
V016/2017Q3	Research project investigating the use of chitosan (feed additive derived from insects and shellfish) to reduce ammonia emissions in beef cattle	Nitrogen balance; chitosan; ammonia emissions; metabolism; cattle	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v016_2017q3.pdf?sfvrsn=2
V017/2017Q3	Research project investigating oviduct-embryo interaction in cattle: effect of asynchrony between the embryo and the oviduct on subsequent embryo development	Bovine; pregnancy establishment; embryo; fallopian tube; reproductive efficiency	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v017_2017q3.pdf?sfvrsn=2
V018/2017Q3	Research project delineating the exocytotic proteins (SNAREs) underlying sensitisation of nociceptor sub-types in chronic pain: engineering botulinum neurotoxins as improved versatile analgesics using rats and mice	Botulinum neurotoxin; pain; neurotherapeutics; neurotransmission; SNARE proteins; rats; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v018_2017q3.pdf?sfvrsn=2
V019/2017Q3	Regulatory study to generate antisera using mice, rats, rabbits, goats, ferrets and guinea pigs	Antisera production; vaccines; allergens; high affinity antibodies; mice; rats; ferrets; rabbits; goats; guinea pigs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v019_2017q3.pdf?sfvrsn=2

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V020/2017Q3	Research project to discover new immunotherapeutic approaches for infection, cancer and autoimmune diseases using mice	Immunology; T cells; infection; cancer; autoimmunity	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v020_2017q3.pdf?sfvrsn=2
V021/2017Q3	Research project: maintenance of <i>Angiostrongylus vasorum</i> (lungworm) isolates in dogs	Canine; lungworm; <i>Angiostrongylus vasorum</i> ; inoculation; larvae; dogs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v021_2017q3.pdf?sfvrsn=2
V022/2017Q3	Research project investigating behavioural variability between male rats and female rats at different oestrous cycle stages	Oestrous cycle; behaviour; variability; gender differences; female; male; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v022_2017q3.pdf?sfvrsn=2
V023/2017Q3	Research study investigating the development of a new treatment for amyotrophic lateral sclerosis (ALS) using mice	Amyotrophic lateral sclerosis; central nervous system; mouse models	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v023_2017q3.pdf?sfvrsn=2
V024/2017Q3	Research project: investigating the effect of brain penetrant vs. non-brain penetrant ghrelin ligands on reward centres of the rat brain	Microdialysis; rat; ghrelin; reward; food intake; appetite; obesity; cachexia	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v024_2017q3.pdf?sfvrsn=2
V025/2017Q3	Collection of animal blood for research and development in medical technology	Blood collection; research; large mammals; medical technology	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v025_2017q3.pdf?sfvrsn=2

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V026/2017Q3	Research project investigating the use of a novel probiotic candidate to reduce atherosclerosis formation and prevent cardiovascular diseases in mouse models	Probiotic; cardiovascular diseases; atherosclerosis; fish malodour syndrome; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v026_2017q3.pdf?sfvrsn=2
V027/2017Q3	Research project: characterisation of sepsis-associated thrombocytopenia in mice	Sepsis; platelets; thrombocytopenia; FcγRIIIa; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v027_2017q3.pdf?sfvrsn=2
V028/2017Q3	Research project: development of improved adjuvants for parenteral and mucosal vaccination, using mice	Nanoparticles; adjuvants; vaccines; mice; immunity	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v028_2017q3.pdf?sfvrsn=2
V029/2017Q3	Research project: is insulin resistance responsible for anti-depressant ineffectiveness: what does hippocampal LTP in a gene-environment rat model of treatment-resistant depression tell us?	Long term potentiation; treatment-resistant depression; insulin resistance; diabetes; antidepressants; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v029_2017q3.pdf?sfvrsn=2
V030/2017Q3	Research project – pilot study investigating the impact of diet-induced obesity on endometrial cancer using rats	High fat diet; obesity; endometrial cancer; BDII/Han; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v030_2017q3.pdf?sfvrsn=2
V031/2017Q3	Research project: validation of a new method to identify and stimulate neuronal networks related to vagus nerve signalling using mice	Mice; vagus nerve; brain; behaviour; microbiota; depression	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v031_2017q3.pdf?sfvrsn=2

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V032/2017Q3	Research project into drug delivery technology assessed in pigs, that will result in shorten drug development timelines and allow earlier patient access to new oral medicines	Oral bioavailability; formulation technology; solubility; pigs; cancer drugs	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v032_2017q3.pdf?sfvrsn=2
V033/2017Q3	Research project: single drug targeting of both angiotensin receptors in an experimental mouse model of renal fibrosis	Kidney disease; renin-angiotensin system; drug development; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v033_2017q3.pdf?sfvrsn=2
V034/2017Q3	Research project investigating the potential of neurotrophic factor therapy for Parkinson's disease using rats	Parkinson's disease; neurotrophic factor; neurodegeneration; alpha-synuclein; rat	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v034_2017q3.pdf?sfvrsn=2
V035/2017Q3	Research project: the genetic architecture of salmonid life history traits observed in the wild	Salmon; escapes; sea trout; genetics	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v035_2017q3.pdf?sfvrsn=2
V036/2017Q3	Research project: development of a gel as a carrier for cancer drugs that can be delivered directly to the tumour using mice	Lung cancer; injectable chemotherapy gel; sustained release; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v036_2017q3.pdf?sfvrsn=2
V037/2017Q3	Research project defining the role of novel therapeutics in neutrophilia activation using mice	Neutrophils; inflammation; inflammation-associated disorders; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v037_2017q3.pdf?sfvrsn=2

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V038/2017Q3	Research project: novel cell therapy for diabetes-related critical limb ischemia using mice	Mesenchymal stem cells; endothelial progenitor cells; angiogenesis; critical limb ischemia; diabetes; mouse	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v038_2017q3.pdf?sfvrsn=2
V039/2017Q3	Research project on the therapeutic potential of anti-inflammatory drugs in a mouse model of diabetic complications	Mouse; diabetes; cardiovascular disease; kidney disease; anti-inflammatories	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v039_2017q3.pdf?sfvrsn=2
V040/2017Q3	Research project assessing the potential of marine lipids and polyphenols (as functional food ingredients) and nutraceuticals (as an adjunct nutritional therapy in combination with known antidepressant drugs) to prevent depression like behaviours using rats	Depression; marine lipids; polyphenols; microbiota; rats	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v040_2017q3.pdf?sfvrsn=2
V041/2017Q3	Research project exploring microRNA as a new and effective approach for the treatment of diabetes using mouse models	Diabetes; insulin; glucose; mice; microRNA	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v041_2017q3.pdf?sfvrsn=2
V042/2017Q3	Research project: identification of novel diagnostics and therapeutics in epilepsy using mice	Epilepsy; therapeutics; diagnostics; biomarker; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v042_2017q3.pdf?sfvrsn=2

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V043/2017Q3	Research project: role of lacteol in infection and/or inflammation using mice	Lacteol; anti-diarrhoea; irritable bowel disease; colitis; mice	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v043_2017q3.pdf?sfvrsn=2
V044/2017Q3	Research project evaluating a probiotic <i>Bacillus</i> strain as a substitute for in-feed medication for newly weaned pigs	Probiotic; <i>Bacillus</i> ; Pig; <i>E. coli</i> ; diarrhoeal disease	http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2017-july---september/v044_2017q3.pdf?sfvrsn=2