

Non-Technical Project Summary

Period of approval: Q3 July – September 2020

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V003/2020Q3	Research into the feasibility and effectiveness of feedback controlled deep brain stimulation, also called closed-loop, in rats that show Parkinson's Disease symptoms	Deep brain stimulation; closed-loop; Parkinson's Disease; rat	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v003_2020q3.pdf
V005/2020Q3	Research to understand the impact of early life manipulation on brain wave activity and behaviour in the avian brain	Neuron; brain oscillations; interneuron; pharmacology; microcircuits; brain health; stress; chicken	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v005_2020q3.pdf
V006/2020Q3	Research project for the preparation of diagnostic materials for the diagnosis of diseases in ruminants and pigs	Ruminants; pigs; blood sample; vaccination; diagnosis; reagent	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v006_2020q3.pdf
V008/2020Q3	Research project to uncover the molecular mechanisms underpinning the microbiome, intestinal immunity and health status, and therapeutic approaches using mice	Microbiome; immune system; gut; colitis; inflammation; infection; probiotic; prebiotic; diet; behaviour; mice	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v008_2020q3.pdf

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V012/2020Q3	Research to collect tissue for genetic identification of models of inherited blindness in zebrafish	Zebrafish; fin-clipping; tissue collection; mutation; blindness; gene-editing; transgenic; DNA	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v012_2020q3.pdf
V014/2020Q3	Research into the development of new fluorescent probes in mice, for imaging human brain tumours	Mouse; cancer; tumour; brain; glioblastoma; fluorescent probe; imaging	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v014_2020q3.pdf
V016/2020Q3	Research using genetic engineering to generate models of inherited blindness in zebrafish	Zebrafish; mutation; CRISPR; blindness; gene-editing; vision; retinal structure; Tol2; transgenic	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v016_2020q3.pdf
V019/2020Q3	Teaching and assessing competency in clinical skills involving cattle relevant to veterinary degree programmes	Veterinary; teaching; clinical skills; cattle	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v019_2020q3.pdf
V020/2020Q3	Research into mechanisms of early life stress-induced dysfunction of the gut-brain axis in rats in both dams and offspring	Rat; early life stress; maternal separation; microbiota-gut-brain axis	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v020_2020q3.pdf
V023/2020Q3	Research to develop potent, easy-to-administer vaccine systems for WHO priority diseases using mice	Vaccine; immune; pandemic; SARS-CoV2; mouse	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v023_2020q3.pdf

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V026/2020Q3	Research project on the role of the microbiome as a regulator of the reward pathways in rodents	Drug addiction; cocaine; microbiota-gut-brain axis; sociability; conditioned place preference; mouse	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v026_2020q3.pdf
V030/2020Q3	Research assessing the efficacy of anti-inflammatory compounds in a clinically relevant rat model of synucleinopathy	Alpha synuclein; Parkinson's disease; neurodegeneration; inflammation; neuroprotection; rat	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v030_2020q3.pdf
V034/2020Q3	Regulatory project for the safety and efficacy testing of a vascular closure medical device using pigs	Vascular; closure device; implantation; pig	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v034_2020q3.pdf
V035/2020Q3	Research on how probiotic bacteria give protection against aspirin associated stomach ulcers using mice	Mouse; gastrointestinal ulceration; acetyl salicylic acid; aspirin; <i>Bifidobacterium</i> ; lactic acid bacteria	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v035_2020q3.pdf
V037/2020Q3	Investigating the importance of iron for Natural Killer cell anti-viral responses using mice	Friend retrovirus; iron deficiency; immunometabolism; mouse	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v037_2020q3.pdf
V038/2020Q3	Project to establish a rumen fistulated beef cattle resource to support novel rumen metabolism research	Cattle; rumen cannulation (fistulation); rumen metabolism; rumen digestion	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v038_2020q3.pdf

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V040/2020Q3	Research into the swimming performance of wild fish species	Swimming performance; tagging; ecology; conservation; management; sharks; rays; teleosts; fish	https://hprapredocsstg.blob.core.windows.net/data/docs/default-source/regulatory-report/scientific-animal-protection/ntps/v040_2020q3.pdf
