

## Non-Technical Project Summary

Period of approval: Q3 July – September 2021

REFERENCE NUMBER	PROJECT TITLE	KEYWORDS	LINK TO NTPS
V001/2021Q3	Research project to optimise Multispectral Optoacoustic Imaging (MSOT) for monitoring stem cells/exosomes in the mouse knee as a prelude to use in a model of osteoarthritis	Multispectral Optoacoustic Imaging (MSOT); stem cells; exosomes; mouse; osteoarthritis	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v001_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v001_2021q3.pdf?sfvrsn=2</a>
V002/2021Q3	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	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v002_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v002_2021q3.pdf?sfvrsn=2</a>
V003/2021Q3	Research project identifying the importance of innate immune signalling pathways during infection, disease and injury, using mice	Mouse; inflammation; cancer; colitis; psoriasis; skin healing; bacterial infection	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v003_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v003_2021q3.pdf?sfvrsn=2</a>
V004/2021Q3	Research project: development of improved adjuvants for parenteral and mucosal vaccination, using mice	Nanoparticles; adjuvants; vaccines; mice; immunity; neonates	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v004_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v004_2021q3.pdf?sfvrsn=2</a>
V005/2021Q3	Research project assessing the influence of a high fibre diet on the development of hypoxic pulmonary hypertension in mice	Mice; hypoxic pulmonary hypertension; dietary fibre	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v005_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v005_2021q3.pdf?sfvrsn=2</a>
V006/2021Q3	Research to assess the anti-inflammatory potential of novel drugs in rodents	Rat; mouse; animal model; inflammation; drug development; novel drugs	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v006_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v006_2021q3.pdf?sfvrsn=2</a>

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V007/2021Q3	Research study: Does grass type affect the growth rate, methane emissions, and parasite load of cattle and sheep when they are grazed together?	Cattle; sheep; lambs; multispecies swards; methane; growth rates; animal health; environment	<a href="http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v007_2021q3.pdf?sfvrsn=2">http://www.hpra.ie/docs/default-source/vet---non-technical-project-summaries-folder/q3-2021/v007_2021q3.pdf?sfvrsn=2</a>