Neuren Pharmaceuticals (ASX: NEU) announced today that the U.S. Food and Drug Administration (FDA) has granted Fast Track designation for Neuren’s programme to develop NNZ-2566 for Fragile X Syndrome. Fast Track designation is designed to expedite the development and review of important new medicines that are intended to treat serious diseases and meet unmet medical needs.

Neuren intends to initiate the double-blind, placebo-controlled Phase II trial before the end of 2013. Enrolment is expected to be completed by the end of 2014 with top-line results announced in the first half of 2015. The study is designed to assess the safety, tolerability and efficacy of NNZ-2566 in treating symptoms of Fragile X Syndrome.

Commenting on the Fast Track designation, Joe Horrigan MD, Neuren’s VP of Clinical Development and Medical Affairs, said: “This is an important and timely decision by the FDA which recognises the critical unmet needs of individuals with Fragile X Syndrome. It will enable us to accelerate development of a treatment for the core symptoms of Fragile X Syndrome which we are hopeful can offer meaningful clinical benefits for patients and families.”

The FDA has now granted Fast Track designation to all three of Neuren’s NNZ-2566 clinical development programmes for Fragile X Syndrome, Rett Syndrome and Traumatic Brain Injury.

About NNZ-2566
NNZ-2566 is a synthetic analogue of a naturally occurring neurotrophic peptide derived from IGF-1, a growth factor produced by brain cells. In animal models, NNZ-2566 exhibits a wide range of important effects including inhibiting neuroinflammation, normalising the role of microglia and correcting deficits in synaptic function. In the Fragile X model, these actions resulted in statistically significant improvement in all core anatomic and behavioural features of the disorder that were assessed. NNZ-2566 is being developed both in intravenous and oral formulations for a range of acute and chronic conditions. NNZ-2566 is presently in a Phase II clinical trial in patients with moderate to severe traumatic brain injury (TBI) as well as a Phase II trial in Rett Syndrome. Both programs have received Fast Track designation from the US FDA. The company intends to implement a Phase II clinical trial in Fragile X Syndrome and an additional Phase II trial in patients with concussion or mild TBI.
About Fragile X Syndrome
Fragile X syndrome is the most common inherited cause of intellectual disability and the most common known cause of autism. It affects 1 out of 4000 males and 1 out of 6-8000 females. Fragile X Syndrome is due to a single gene defect on the X chromosome that impacts the FMRP protein, which is responsible for regulating the synapses of nerve cells. Clinically, Fragile X Syndrome is characterized by intellectual handicap, hyperactivity and attentional problems, autistic symptoms, anxiety, emotional lability and epilepsy. The epilepsy seen in Fragile X Syndrome is most commonly present in childhood, but then gradually improves towards adulthood. Physical features such as prominent ears and jaw, and hyper-extensibility of joints are frequently present but are not diagnostic. Generally, males are more severely affected than females. Currently, there are no medicines approved for the treatment of Fragile X Syndrome.

About Neuren
Neuren Pharmaceuticals Limited (Neuren) is a publicly listed biopharmaceutical company focusing on the development of new therapies for brain injury, neurodevelopmental and neurodegenerative disorders. The novel drugs target chronic conditions such as Rett Syndrome and Fragile X Syndrome as well as acute neurological injuries. Neuren presently has a clinical stage molecule, NNZ-2566 in two Phase 2 clinical trials as well as NNZ-2591 in pre-clinical development.

Forward-looking Statements
This ASX-announcement contains forward-looking statements that are subject to risks and uncertainties. Such statements involve known and unknown risks and important factors that may cause the actual results, performance or achievements of Neuren to be materially different from the statements in this announcement.

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