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Japan to commercialize next-gen Hunter Syndrome therapy

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Takeda collaborates with JCR Pharmaceuticals

Japanese firms Takeda Pharmaceutical Company and JCR Pharmaceuticals have announced a geographically-focused exclusive collaboration and license agreement to commercialize JR-141 (INN: pabinafusp alfa), an investigational, next-generation recombinant fusion protein of an antibody against the human transferrin receptor and iduronate-2-sulfatase (IDS) enzyme for the treatment of Hunter syndrome (also known as Mucopolysaccharidosis type II or MPS II).

Hunter syndrome is caused by a deficiency of IDS and manifests in different forms. JR-141, applied with J-Brain Cargo®, JCR's proprietary blood-brain barrier (BBB) technology, is engineered to transport the therapeutic enzyme across the BBB to directly reach the brain and address both the somatic and neuronopathic manifestations of the disease, which can lead to progressive cognitive decline.

Under the terms of the exclusive collaboration and license agreement, Takeda will exclusively commercialize JR-141 outside of the United States, including Canada, Europe, and other regions (excluding Japan and certain other Asia-Pacific countries).

The two companies will collaborate to bring this therapy to patients as quickly as possible upon completion of the global Phase 3 program, which will be conducted by JCR.