

Press Releases

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PharmaTher Enters into Research Collaboration Agreement with Revive Therapeutics for Development of Psilocybin Microneedle Patch

- *Focusing on partnership model for MicroDose-MN™ and MacroDose-MN™ patches to deliver psychedelics.*
- *Creating value and intellectual property protection for psychedelic programs.*
- *Providing pathways for partners to enter FDA Phase 1 and 2 clinical studies in 2022 with psychedelics.*

TORONTO, November 3, 2021 -- PharmaTher Holdings Ltd. (the "Company" or "PharmaTher") (OTCQB: PHRRF) (CSE: PHRM), a clinical-stage psychedelics biotech company, is pleased to announce it has entered into a research collaboration agreement with Revive Therapeutics Ltd. ("Revive") (OTCQB: RVVTF) (CSE: RVV) (FRANKFURT:31R), a specialty life sciences company focused on the research and development of therapeutics for medical needs and rare disorders, to evaluate the delivery of psilocybin with PharmaTher's proprietary microneedle ("MN") patch technology for neuropsychiatric disorders.

PharmaTher is currently conducting IND-enabling research studies with MicoDose-MN™, a patent-pending biocompatible and biodegradable gelatin methacryloyl microneedle patch, to deliver psilocybin to support an IND

Archives

[November 2021](#)
[October 2021](#)
[September 2021](#)
[August 2021](#)
[July 2021](#)
[June 2021](#)
[May 2021](#)
[April 2021](#)
[March 2021](#)
[February 2021](#)
[January 2021](#)
[December 2020](#)
[November 2020](#)
[October 2020](#)

Categories

[All](#)

 [RSS Feed](#)



The Company is also conducting research studies with its MicoDose-MN™ and MacroDose-MN™ patch as a next generation delivery system for psychedelics with ketamine, 3,4-methylenedioxy-methamphetamine (“MDMA”), lysergic acid diethylamide (“LSD”), and N, N-dimethyltryptamine (“DMT”). Also, the Company has decided to expand research to include ibogaine and mescaline.

Partnership opportunities currently exist with MDMA, LSD, DMT, ibogaine and mescaline for specialty pharmaceutical companies seeking a differentiated and validated delivery system for psychedelics, desired pharmacokinetic profiles, intellectual property protection, cGMP microneedle patches for IND-enabling and clinical studies, and a clear clinical pathway towards FDA Phase 1 and 2 clinical studies in 2022.

The Company’s MicroDose-MN™ and MacroDose-MN™ patches have the potential to efficiently penetrate the stratum corneum layer (outer layer of the skin), enable flexible drug load capacity and combinations, and control-release delivery, which may overcome the potential drawbacks of oral administration, subcutaneous injections, topical and nasal delivery systems.

In addition to the potential of maintaining constant plasma levels for more than 24 hours, the MN patches aim to empower patients to dose their medication remotely, safely and conveniently rather than under supervision by a healthcare provider at a certified medical office. To achieve this, the Company will incorporate anti-tampering and anti-abuse features that would parallel the approach used for the tamper-resistant transdermal fentanyl patch.

“We are pleased to collaborate with Revive in achieving their product portfolio objectives with psilocybin. Our microneedle patch technologies aim to become a next generation delivery system for psychedelics for various indications and healthcare environments. Although our focus remains on building our ketamine-based product pipeline, we will continue to partner with specialty pharmaceutical companies seeking a delivery solution for psychedelics and proprietary drugs to unlock significant value and return on investment for PharmaTher,” said Fabio Chianelli, CEO of PharmaTher.

Michael Frank, CEO of the Company, commented, “Our focus is developing and commercializing a specialty psilocybin-based product portfolio, and the research collaboration with PharmaTher complements our psilocybin product offerings as potential treatments for mental illness, substance abuse and neurological disorders. We believe there is no one-fits-all product profile solution with psilocybin. For psilocybin to be a next-generation therapeutic, different use and delivery forms will be required to achieve the intended target indications. As such, we aim to become a leader in psilocybin-based solutions for unmet medical needs by collaborating with companies that have intellectual property and experience in their delivery technologies, such as PharamTher.”

About Revive Therapeutics Ltd.

Revive is a life sciences company focused on the research and development of therapeutics for infectious diseases and rare disorders, and it is



Breakthrough Therapy and Rare Pediatric Disease designations. Currently, the Company is exploring the use of Bucillamine for the potential treatment of infectious diseases, with an initial focus on severe influenza and COVID-19. With its acquisition of Psilocin Pharma Corp., Revive is advancing the development of Psilocybin-based therapeutics in various diseases and disorders. Revive's cannabinoid pharmaceutical portfolio focuses on rare inflammatory diseases and the company was granted FDA orphan drug status designation for the use of Cannabidiol (CBD) to treat autoimmune hepatitis (liver disease) and to treat ischemia and reperfusion injury from organ transplantation. For more information, visit www.ReviveThera.com.

About PharmaTher Holdings Ltd.

PharmaTher Holdings Ltd. (OTCQB: PHRRF) (CSE: PHRM) is a clinical-stage psychedelics biotech company focused on the research, development and commercialization of novel uses, formulations and delivery methods of psychedelics, such as ketamine, to treat mental health, neurological and pain disorders. PharmaTher is currently advancing an FDA approved phase 2 clinical study with ketamine to treat Parkinson's disease and is developing a novel microneedle patch for the intradermal delivery of psychedelics and infectious disease treatments.

Learn more at: PharmaTher.com and follow us on [Twitter](#) and [LinkedIn](#).

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events or otherwise, except as required by applicable securities laws. The foregoing statements expressly qualify any forward-looking information contained herein. Factors that could cause actual results to differ materially from those anticipated in these forward-looking statements are described under the caption "Risk Factors" in Company's management's discussion and analysis for the period of August 31, 2021 ("MD&A"), dated October 27, 2021, which is available on the Company's profile at www.sedar.com.

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