ASX Announcement

18 Oct 2022

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myriad data.
individual care.

Emyria and UWA expand unique MDMA-inspired analogue library

HIGHLIGHTS

Emyria, and partner the University of Western Australia, have shipped their **fourth batch of 14 unique MDMA analogues** for safety screening with Eurofins (EPA:ERF)

Unique library now exceeds **140** proprietary, neurologically active compounds

In addition, an initial priority set of 5 compounds has been sent to **PsychoGenics** in the USA to commence advanced preclinical screening *(See ASX release 19 Sep 2022)*

Additional metabolic studies have also commenced with an Australian CRO to help evaluate the half-lives of a priority set of compounds in mice, rat and human liver cells

A recording of a recent webinar outlining the MDMA-inspired drug discovery program is available here: https://investorhub.emyria.com/ *(See ASX release 13 Oct 2022)*

Emyria Limited (ASX: EMD) (Emyria or the Company), a clinical stage biotech focussed on neuroscience and mental health, is pleased to announce positive progress of its preclinical MDMA-inspired drug discovery program with partner, the University of Western Australia and led by medicinal chemistry expert, Dr Matt Piggott.

Emyria and UWA have been actively growing and screening a unique drug-discovery pipeline of novel MDMA analogues to identify new chemical entities and drug candidates with the potential to address major unmet needs in mental health and neurological disorders. Emyria previously secured exclusive rights to all MDMA-like compounds created under the partnership with Prof. Piggott and UWA. *(See ASX announcement 05 Aug 2021)*

Additional compound synthesis and screening is ongoing and a fourth batch of 14 unique compounds, inspired by previous screening results, was recently prepared and shipped for preliminary screening with Eurofins. This brings the total number of unique compounds in the library to over 140.

5 high priority compounds have been shipped to the USA for evaluation with specialist neuroscience CRO, PsychoGenics and additional metabolic studies have commenced with an Australian CRO to help determine the metabolic half-life of a priority set of compounds.

This announcement has been approved and authorised for release by the CEO of Emyria.

FOR FURTHER INFORMATION

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UPCOMING DRUG DEVELOPMENT MILESTONES

DRUG DEVELOPMENT

CLINICAL PROGRAMS
Ultra-Pure cannabinoid delivery platform

EMD-RX5 *"direct-to-consumer"*
Formulation optimisation ✓
Phase 1 study ✓
Ethics approved for Phase 3 ✓
Phase 3 commencement ✓
Regulatory submission
Commercial strategy **Australia**
Commercial strategy **Europe**
Commercial strategy **USA**

EMD-RX7 *"prescription medicine"*
Formulation optimisation ✓
Phase 1
Pre-IND **(FDA)**
Pivotal trials

NEW DRUG DISCOVERY

PRE-CLINICAL PROGRAM
MDMA-like analogues

MDMA-like drug development
Continuous creation & screening ✓
First patent family filed ✓
US-focussed preclinical program ✓
Metabolic studies ✓
Preclinical assays *(multiple animal models)* ✓
Human cell line assays ✓
Advanced assay development
Lead selection
Phase 1 trials
Global commercial strategy

ABOUT EMYRIA | emyria.com

Emyria Limited is a clinical drug development and care delivery company focused on accelerating drug development and improving patient outcomes in neuroscience and mental health via:

- **Drug Development:** Emyria has developed an Ultra-Pure cannabinoid platform that can support the registration of multiple proprietary dose forms. Emyria's first dose form, EMD-RX5 is in Phase 3 trials
- **New Drug Discovery:** Inspired by MDMA, Emyria is developing one of the world's largest libraries of MDMA-like compounds with partner, the University of Western Australia.
- **Proprietary Real-World Data (RWD):** Emyria gathers ethically-sourced data with patients cared for at Emyria's own specialist clinical service (Emerald Clinics).
  Emyria RWD can help support drug development and care model improvement.

EMYRIA'S INTERACTIVE INVESTOR HUB
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