

GreenStar Biosciences Announces New Provisional Patent Application

Latest patent application combines wearable virtual reality technology with therapeutics, further strengthening the Company's IP portfolio for the treatment of mild traumatic brain injuries (mTBI) with PTSD or PTSD alone.

Vancouver, British Columbia--(Newsfile Corp. - September 14, 2020) - GreenStar Biosciences Corp. (CSE: GSTR) (OTC Pink: GTSIF) ("**GreenStar**" or the "**Company**") is pleased to announce that its wholly-owned subsidiary, Eleusian Biosciences Corporation ("**Eleusian**") has added another provisional patent application to the overall existing intellectual property ("**IP**") portfolio of the Company. This application further expands the portfolio of proprietary psychedelic therapeutics and devices available to GreenStar and strengthens the IP portfolio for treatment of neuropsychiatric disorders with psychedelic compounds.

A new provisional patent application entitled "*Facial Worn Device for Administration of Pharmaceutical Agents in Combination with Virtual and Augmented Reality Simulations*" was recently filed with the United States Patent and Trademark Office for a facial worn device combining virtual reality ("**VR**") glasses for delivery of programmed virtual and augmented reality simulations. This device includes a nasal delivery system for administration of pharmaceutical agents and/or fragrances at preselected dosages and times. Uses include methods and kits for alleviating unwanted memories and emotions lined with post-traumatic stress disorder ("**PTSD**") or mild traumatic brain injury ("**mTBI**") with PTSD.

The device provides for immersion into a multi-sensory, three-dimensional environment that can simulate various senses such as vision and hearing to guide and enhance the therapeutic effects of one or more pharmaceutical ingredients. The device may be used in a clinical setting or remotely via, for example, wifi where the dosing and VR content can be controlled from a remote distance via wireless connectivity and access to a shared database. In addition to single user applications, multiple devices can be used for group therapy and a therapist or clinician may wear a device along with a single user or group to watch the VR content along with the single user or group. PTSD and traumatic brain injury often coexist because brain injuries are often sustained in traumatic experiences.

Through the VR glasses and VR delivery system, the device would allow for the administration to an individual a psilocybin-derived agent and/or N-acetylcysteine ("**NAC**") in combination with the VR therapy, providing an immersive VR involving affective media experiences. The unique abilities of VR technology allow this device to provide experiences such as guided meditations, visual and audio simulations of therapeutic journeys, guided virtual trips to different locations or timelines of past perceived traumatic experiences, and exposure therapy. Combined with nasal administration of one or more pharmaceutical agents such as a psilocybin-derived agent and/or NAC, a user of the device can be guided towards unique combinations of altered states of consciousness including, but not limited to, meditation, trance and dreamlike states, within a safe and therapeutic manner that has positive benefits for the user.

"We continue to build our IP portfolio and this latest patent application further strengthens our overall IP position as we continue to develop our technologies such as virtual reality to enhance our therapies," said Maghsoud Dariani, CSO of GreenStar. "Virtual reality has previously been shown to have therapeutic effects, and with the addition of carefully dosed pharmaceutical agents at specific times, it is expected that these effects can be taken to a more positive and lasting level."

"We are very pleased with how quickly Eleusian has been building its IP portfolio and executing its

overall patent strategy of not only developing effective therapeutics, but also effective delivery methods," said Tom Baird, CEO of GreenStar, "The Company believes this new device will be extremely useful in a variety of applications including, but in no way limited to, the treatment of post-traumatic stress disorder and traumatic brain injuries and in the alleviation of stress, fears and/or phobias".

About GreenStar

GreenStar is a growth-oriented technology & services company that provides real estate, financial, management, IP & branding support to businesses. The Company operates a growing portfolio of tenant partner companies focused on developing transformational medicines and applies refined strategies to help partner companies reach their full potential. Based in Vancouver, BC, GreenStar intends to facilitate growth through acquisitions and development of additional assets, products and technologies by leveraging its capital markets, branding and operational expertise.

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