

Vielight News

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"The brain is like a muscle. When it is in use we feel very good. Understanding is joyous."

Carl Sagan

VIELIGHT Inc has embarked on a comprehensive study to examine how the brain performs while meditating and how photobiomodulation could play a key role in helping users achieve a higher state of mindfulness.

The Toronto-based international photobiomodulation leader will test both the Vielight Neuro Alpha and Neuro Gamma devices on expert and amateur meditators. The study will also examine how light acts to enhance the meditation experience of both amateur as well as experienced meditators, while remaining focused in the present moment.

Research has shown that meditation improves brain functioning, physically, and psychologically, along with overall well-being and health.

This week, Vielight will participate in the Science of Con-

Vielight taps into inner consciousness



sciousness (TSC) conference being held at the Loews Ventana Canyon Resort, in Tucson, Arizona, from April 2-7, 2018. The annual interdisciplinary event will emphasize the broad and rigor-

ous approaches to all aspects of the study and understanding of consciousness.

At the TSC conference, Vielight will seek to educate attendees how light could have a ben-

eficial effect, both on the mind and body in a presentation. The team will conduct live demonstrations with the prototype of the Neuro Pro, on the sidelines of the conference.

Advanced EEG system now fully operational

VIELIGHT Inc. has completed the installation of an advanced EEG laboratory at its Toronto corporate headquarters. The facility is dedicated to scientific research focussed on photobiomodulation technology and development of light therapy devices. **Dr. Reza Zomorodi**, Research Collaborator from the University of Toronto, shares more details.

What is the new EEG facility all about?

The EEG division is aimed at understanding the neurophysiological mechanisms by which our devices work. Until now, very few studies have been published on the effects of photobiomodulation on brain activity. The division will be exploring how each of our photobiomodulation devices work to change brain activity, both in healthy individuals and individuals with various brain associated conditions. The facility will explore various ways

how Vielight technology can be used to enhance brain function for various purposes, including meditation and sports performance.

How can the EEG impact your research?

The system allows for the direct measurement of brain activity from the scalp. Both event-related and spontaneous activity can be measured. EEG is non-invasive and is available in portable, wearable systems. These features make

EEG an ideal form of neuro-imaging for Vielight studies. These projects will help us gain a deeper understanding on how Vielight's brain photobiomodulation devices change and enhance brain activity. The knowledge gained may also help in future product development.

Who are the main collaborators?

We have a number of EEG projects with various collaborators. We recently completed an

internal study on the effect of the Neuro Gamma on the EEG signals of healthy older adults.

We are now in the planning phases exploring the effect of the Alpha and Gamma devices in individuals during meditation. Collaborators for this important study will include Dr. Jay Sanguinetti, Dr. Sanjay Manchanda and Dr. Jeffrey Martin. Genane Loheswaran, Research Manager of Vielight, will be managing the efforts

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Fitness fans warm up to photobiomodulation

THOUSANDS of health and fitness fans from around the world converged on the Columbus Convention Center, in Columbus, Ohio, from March 1 to 4, to celebrate the region's most anticipated fitness event, the Arnold Sports Festival.

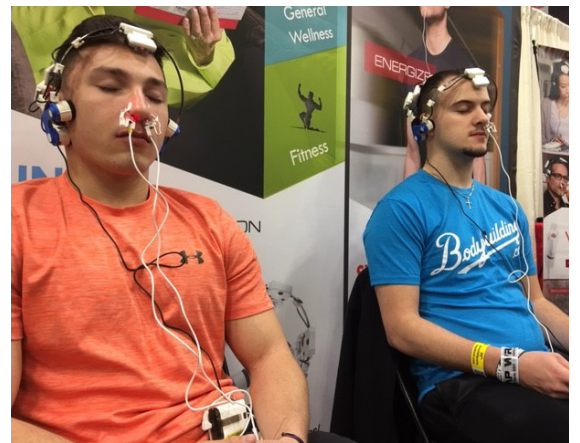
Founded by well-known movie star and fitness lover Arnold Schwarzenegger, the prestigious festival was launched in 1978 and now celebrates its 30th



year. Once again, the Arnold Sports Festival hosted a series of multi-sport activities, including professional body-building, weight-lifting, strongman, fitness, fig-

ure and bikini competitions.

Vielight debuted in this classic event with the aim of interacting closely with fitness enthusiasts and educating them on the potential of light therapy or photobiomodulation in healing, recovery and improving performance. The exhibition was held on the sidelines of the main activities and saw fitness enthusiasts visiting the Vielight booth to experience the full benefits of photobio-



modulation.

"Vielight devices have been used by sports and fitness professionals across the world and we are excited to see the overwhelming response from the show's visi-

tors to our technology," explained Dr. Lew Lim, Founder and CEO of Vielight. "The Festival helped to introduce the potential of photobiomodulation by Vielight in competitive sports."

Liyao Ji heads Vielight's quality & regulatory affairs



LIYAO Ji joined Vielight's Toronto office as the company's Quality and Regulatory Affairs Manager. She is responsible for establishing and implementing a Quality Management System and registration of medical devices for Vielight.

Liyao has a wealth of experience in the quality assurance and regulatory affairs in medical device industry, and holds a B.Sc in Agrono-

my from Northwest A&F University in China and a MSc in plant science from McGill University, Canada. Liyao also holds a post-graduate certification in Regulatory Affairs-Medical Device from Regulatory Affairs Professional Society (RAPS), the largest global organization of professional healthcare regulators and related products.

Before joining Vielight, Liyao worked for

three years in the pharmaceutical and medical device industry. She has extensive knowledge in Medical Device regulation of Health Canada, FDA and Europe, as well as GMP, GCP, GLP, and ISO 13485 standards.

Dr. Lew Lim, Founder and CEO of Vielight, pointed out that Liyao has joined the company at a critical time when the company was in the process of obtaining regula-

tory clearances from US Food and Drug Administration (FDA), Health Canada and other regulatory agencies.

"Liyao's deep knowledge of legal and policy advice on regulatory affairs truly complements our existing team," he said. "Her experience with the region's regulators is also significant, and will be of great value as our organization marches ahead with its expansion plans."

Interested to become a Vielight Reseller or Introducer? Write to us at info@vielight.com