

# VielightNEWS

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“Where there is purpose, there is hope.” George Washington Carver

## Photo- Neuro-Hacking it is just the beginning.

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The delivery of light to influence brain functions is appealing to many biohackers.

Vielight ventures into MEDICA 2019 super trade show.

Dr. Lew Lim to speak at the Institute of Functional Neuroscience in Perth, Australia.

### “Photo-Neuro-Hacking” is here!

Vielight with its photobiomodulation (PBM) technology, has been the subject of growing interest in the field of biohacking of the brain. The delivery of light to influence brain functions is appealing to many biohackers. Most are seeking ways to achieve that in an uncomplicated and affordable way, without the risk of known side effects. For these reasons, Vielight’s method of delivering light to the brain in a non-invasive way is garnering great interest and support from clinicians, researchers and consumers. This is reflected in growing online and offline forums and discussions. The subjects of discussions and interest are the many possibilities of using Vielight devices for applications that have been considered difficult to achieve.

The recent Biohacker Summit 2019, held in Helsinki, Finland, on 1 and 2 of November 2019, manifested what excites biohackers. A big excitement was about the novel approach of the application and use of PBM by Vielight. The presence of Vielight among the exhibitors created a lively buzz in the air. There also was a very dynamic stream of visitors to our busy

booth. Many visitors were turning up at the booth due to the word-of-mouth recommendations by users of Vielight devices. Interestingly, many visitors were meditators of various levels who were curious about improving their meditative experiences. The interest grew much bigger after the Vielight Founder & CEO, Dr. Lew Lim made a stage presentation entitled “Elevating Brain Performance with Light”.

According to Dr. Lim, “Published research has shown that photobiomodulation (PBM) has clear influence on body and brain functions. The influence of PBM is significant - all the way from cell activity to high level performance outcomes. We continue to learn from these research results and extend the theories to their effects on humans by supporting clinical trials.

Biohackers now recognize that evidence clearly shows that the brain responds to PBM, if it is delivered to the brain in the right way. In this regard, we published data to show the effects of pulsing light of 40 Hz (Gamma), when it is applied to the brain. The light causes

elevation of the power of alpha, beta and gamma oscillations and reduction of the power of the slow delta and theta. When we induce 10 Hz (Alpha) pulsation, significant response is largely observed in the alpha band. These findings show that the brain can respond differently to different pulse rates.



Vielight has plans for further investigation in brain response. One day, we will be able to individualize intervention, so that the brain will be given the best boost for optimal function via PBM. Now, that would be a biohacker’s dream.”

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## Vielight Returns to TransTech 2019

The TransTech Conference 2019 will be held again on November 15-16, 2019 at Palo Alto, California. It is a conference where futuristic ideas in transformative technologies are exchanged. This is an area that Vielight identifies with. Dr. Lew Lim will be speaking on "Brain Photobiomodulation Advances". He will update the attendees on the state of PBM as a brain stimulation and modulation method. Vielight will also have a booth where attendees are welcome to visit and learn more about the Vielight devices. Visitors will have the opportunity to speak with Vielight researchers, Dr. Alison Smith and Dr. Mahta Karimpoor, and experience the devices.



## Vielight Makes its Presence in Europe at MEDICA

For the first time, Vielight will be exhibiting at the MEDICA Trade Show in Dusseldorf, Germany. The event will be held on November 18-21, 2019. MEDICA is the largest medical product and services trade show in the world. This year more than 125,000 visitors and more than 5,000 exhibitors are expected. There has been a growing interest in Vielight devices in Europe. Vielight product experts, Gennady Lemud and Dominic Lim, are looking

forward to introducing our products at the Vielight booth G40 at Hall 13.

## Dr. Lew Lim to Speak in Perth, Western Australia

Dr. Lew Lim will be giving a talk in Perth, Australia at a special event, on November 26th 2019, from 11 am to 2 pm, at the Institute of Functional Neuroscience. His talk is titled "Photobiomodulation for Extraordinary Brain Functions". Information about the talk can be

found at: <https://www.facebook.com/events/1762789687199309/>. Dr. Lim explains, "We are unearthing new information on how extraordinary brain functions can be achieved with light. I hope to share our experiences and research and to make this event a very rewarding one for attendees."



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