

Vielight News

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"There are two ways of spreading light - to be the candle or the mirror that reflects it."

- Edith Wharton, American author and playwright

TransTech set to showcase future of neuro technology

PALO ALTO, in California, will once again be the destination for some of the best minds in transformative technologies when it hosts TransTech 2018 (TTC 2018) conference from November 9-10.

Vielight CEO and Founder Dr. Lew Lim introduced Photobiomodulation (PBM) on this stage for the first time last year. Since then, PBM continues to build up attention in this community.

This collaborative

community will come together to explore, iterate, and remain committed to the responsibility and ethics that comes with making powerful tools to support the human experience. The conference is aimed at gathering, connecting and inspiring the global

community in order to stimulate the development of scalable transformative technologies. TTC 2018 is the place to get a global snapshot on the trends, technology,

companies, and scientific advances that are the driving forces in human development.

The two-day conference will be a deep dive into cutting-edge technology with keynotes, panels, and hands-on demonstrations. Visitors will be ex-

posed to some of the latest research for human development from pioneers. They will also hear from investors who will express how they see the future of viable

and transformative technologies.

Vielight Inc will be participating in this crucial conference by exhibiting its latest innovations in the field of photobiomodulation at its booth. Among the speakers at the conference will be Dr. Sanjay Manchanda, who will be speaking on "Advances in Trans-Cranial Current Stimulation for Wellbeing and Transformation", including his experience with PBM.

Manchanda is an eminent psychotherapist and spiritual teacher



Dr. Sanjay Manchanda

who has been a student of the Buddhist, Yoga and Hindu meditative traditions for over 25 years.

Since 2000, he has also been using neurofeedback and other stimulation technologies in research and practice to treat pain and help people to reduce anxiety, improve mood and enter meditative states.

Photobiomodulation holds key to fatigue

INFRARED LIGHT therapy could possibly be the solution for those sleep-deprived nights and lower energy levels, a well-respected practitioner of integrative and functional medicine has pointed out.

In her latest blog, Dr. Jill Carnahan, a Colorado-based clinician, says that she believes that photobiomodulation may be the easy, non-invasive way to increase energy levels for people who feel tired even after eating right and exercising regularly.

"Infrared light essentially supercharges your cells. The light helps your cells to make adenosine triphosphate (ATP), the energy source that keeps your body going. But often stress and illness can impede your mitochondria's ability to make ATP to their full potential," Dr. Carnahan writes.

"As ATP is the energy currency crucial to ensure that your body is functioning at its



Dr. Jill Carnahan

best, by using photobiomodulation therapy you are able to supercharge your cells. And, by focusing on improving your blood cell energy, you are ensuring your circulation,

immune system, and wound healing are all working at full capacity," she points out.

Carnahan uses her knowledge in a variety of natural modalities in functional medicine to help her patients find the answer to the underlying cause of their illness, which may include nutritional and biochemical imbalances that may be making them ill. Functional medicine deals with the root cause of the disease, instead of just treating symptoms.

"I sing the praises of blood light therapy devices because I think they are a great way for my patients to take charge of their own health without resorting to yet another medication. ATP is such a basic building block of our health that we take for granted — and we don't always spot it when it's not being produced properly by our bodies," Carnahan adds.

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'Strongman' Jon Bruney visits Vielight offices



GUINNESS World Record holding "Strongman" Jon Bruney visited Toronto last month to join us at the SPARK Biohacker Summit, which took place at the Metro Toronto Convention Center from October 1 to 3.

Jon Bruney, a dedicated user of Vielight de-

VICES, spoke about photobiomodulation at the conference, focusing on its benefits on improving the performance of athletes and sportspersons.

The high-profile summit is one of the largest biohacking events in the world that connects wellness companies with medical profession-

als, technology experts, investors, entrepreneurs, health and nutrition enthusiasts and other pioneers. The aim of the Biohackers conference is to make the world a healthier place, prevent diseases and extend human capabilities and lifespan.

Vielight was one of the main sponsors of



(Top Left) Dr. Lew Lim, Ben Greenfield and Jon Bruney at the conference; (Above) Jon Bruney with Vielight's Research Scientist Mahta Karimpoor

the Toronto edition of the Summit. Other notable speakers at the event included well-known fitness trainer and blogger Ben Greenfield and Dr. Norman Doidge.

During his time in Canada, Bruney also visited the Vielight offices in Downtown Toronto, where he experienced the latest techniques at our research unit.

Parkinson's disease may start in appendix: Study

PARKINSON'S disease has long been considered a disease of the brain but research out this week found it may start in the gut - specifically in the appendix, a tiny organ near the large intestine.

Using health registries in Sweden and the United States, researchers found that those who had their appendix removed in early adulthood, generally, saw their risk of developing the incurable neurodegenerative disorder cut by 19 percent, said the study in the journal *Sci-*

ence Translational Medicine.

"Among the people who did develop Parkinson's disease, we found that the age of onset was delayed by an appendectomy on average by 3.6 years," study author Viviane Labrie, assistant professor at Van Andel Research Institute in Michigan, said during a conference call with reporters.

Parkinson's affects millions of people worldwide. Some of the celebrities afflicted include actors Michael J. Fox and Alan Alda, singer Neil

Diamond and the late boxer Muhammad Ali.

Often, the appendix is considered a useless organ. But researchers say it is a storage site for gut bacteria, is linked to immune response, and appears to be a gathering place for a key protein implicated in Parkinson's, known as alpha-synuclein. Knowing that people with Parkinson's also suffer from gastrointestinal disorders like constipation at least 10 years before the disease's better known symptoms, such as tremors, stiffness, and



poor balance surface, researchers decided to take a closer look at the appendix and its potential role. They found that nearly everyone has signs of clumped up alpha-synuclein present in their appendix. But not everyone goes on to develop Parkinson's, for reasons that are still not well understood.

Experiments have shown the protein "can travel up the nerve" that connects the gastrointestinal tract to the brain," Labrie explained.

"If it were to enter the brain, it can seed and spread from there and have neurotoxic effects that could, eventually, lead to Parkinson's disease."

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