Australian College of Syntonics™

Light, Colour & Vision

Virtual CONFERENCE

ACS General Conference

Date:28th July 2024

Time: 9.00am to 5.00 pm (AEST -Sydney Australia time zone)

We have a great line up of speakers for you!

With latest research and clinical applications.

Don't Miss out register early!

Prof. Dr Mingguang HE, MD PhD FRANZCO

Repeated low-level red-light therapy: a new way to control myopia?

Abstract

The presentation examines the use of Repeated Low-level Red-light Therapy (RLRL) as a home device for myopia control. Utilizing a patented diode laser emitting 650 ± 10 nm wavelength light, the therapy is administered twice daily. It has shown 69.4% efficacy in controlling axial length elongation and 76.6% in slowing spherical equivalent refraction progression, with more pronounced effects in severe myopia. Safety evaluations according to ANSI Z80.36-2021 and FDA standards designate the device as a Group 1 instrument, indicating no potential light hazards. The device is approved in multiple regions including the EU, UK, Australia, and New Zealand. Clinical trials reveal no significant adverse effects, and multifocal ERG studies confirm no retinal damage. Long-term studies over three years also show no structural or functional damages, though rare complications like potential light injuries in super-responders have been documented. The presentation underscores the importance of monitoring visual acuity and symptoms such as prolonged after-images in users, particularly to identify super-responders. Despite high efficacy and safety profiles, continued vigilance in monitoring and reporting adverse effects is crucial to ensure the therapy's ongoing safety and effectiveness.

Prof. Dr Michael Levin

"**Bioelectricity in the origin and future of the visual system**"

It is well known that our body processes visual data using electric communication between cells. In this talk, I will tell the story of developmental bioelectricity - an ancient precursor of brain function, in which all cells in the body merge into electric networks that process information, make decisions, and store memories. Whereas nerve networks process visual information for behaviour in 3D space, other cellular networks process biophysical and biochemical information to establish and repair the anatomical structure of the body. I will show examples from embryonic development and sensory-motor plasticity, especially focused on the visual system. Using model systems such as the frog, we work to understand how to communicate with the collective intelligence of the body in ways that facilitate novel therapeutics in regenerative medicine.

Prof. Dr. Bernhard Sabel, PhD

Mental stress as a cause of low vision: vision restoration by eye yoga relaxation and neuromodulation"

Bernhard A. Sabel, PhD, Psychologist and Neuroscientist

Voting member, International Council of Ophthalmology (ICO)

SAVIR-Center & University of Magdeburg, Germany

Abstract: It is generally thought that vision loss after damage to the retina, optic nerve or brain is irreversible. However, new research shows that this is not true and the future is rather optimistic for patients who do not have to fear of going blind. We treat patients with neuromodulation of the eyes and brain using micro-currents (transorbital alternating current stimulation) in conjunction with relaxation techniques to reduce the detrimental effects of stress of blood flow in the eye and brain. This induces visual field recovery in patients with glaucoma, optic nerve damage, retinitis pigmentosa and other diseases of the central visual pathway. Our SAVIR-Therapy improves vascular regulation (blood flow) and neural network synchronization which reactivates “silent” (hypo-metabolic) neurons in the eye and brain. This triggers recovery by enlarging visual field size, reducing foggy vision and improving contrast sensitivity and acuity. When having been treated with the SAVIR-therapy daily for 10 days at our day-clinic (www.savir-center.com) the large majority (92%) of patients from >100 countries, including several from Australia experienced improvements in daily life. A double-blind, controlled trials and the analysis of a clinical sample of >1.000 patients confirms the treatment efficacy and safety (contact: info@savir.center.com).

Dr Jose Theil

AOMeister, Functional Optometrist, Behavioural Optometrist, FBOAF, FCSO, FEASO

My Experience with Syntonics. Special Cases

Since 2005, Josef Thiel has been working in his own practice for functional optometry in the service of "good vision". However, the state-certified master optician and optometrist has been working as an expert in vision problems for over 35 years. From 1982 to 2014, he also managed the optician's shop "Thiel – See for yourself!" in Lindenberg in the Allgäu.

Motivated by the motivation to be able to help people where "their learned visual skills are not sufficient to cope with the visual demands placed on them", he turned primarily to functional optometry in 2014 and founded the INSTITUT SEHEN in Weißensberg near Lindau on Lake Constance.

Dr Clifford Fukushima OD FCSO FCOVD

Registration Payments:

Payments to be made via PayPal to syntonicscollegeaustralia@gmail.com

Once payments are made, please email us at syntonicscollegeaustralia@gmail.com with proof of payment and the following details:

- Full Name _____

- Proof of Current Membership

_____

- Practice Address

_____

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- Total Amount Paid - $_____

You will not get a Zoom link if you do not send through this information

Early Bird Payments (Prior to July 11th, 2024):

Members: ACS: $295 and CSO: $310

Non-Members: $395

<u>Payments (After July 11th</u> 2024):

Members: ACS: $350 and CSO: $365

Non-Members $450

ALL prices are in $AUD

(Once registered you will receive an email with the link invitation for the meeting)