



James Carroll
Biomedical Engineer

James Carroll is a CEO of THOR Photomedicine Ltd. and has a particular interest and expertise in irradiation parameters. This aspect of Low Level Laser Therapy (LLLT) research has been poorly measured, poorly reported and the dose rate not well understood. He has gained an international reputation for his conference presentations, published papers and educational seminars on this topic.

Positions and Honors:

Biomedical Optics Society - conference chair (2009 to present)

Fellow of The Royal Society of Medicine (2009- to present)

Editorial Board of Photomedicine and Laser Surgery (2008- to present) World Association for Laser Therapy (WALT) board member (2000-2004) North American Association for Laser Therapy board member (2002 - 2006)

Currently an expert reviewer on LLLT parameters:

- Public Library of Science (PLOS ONE)
- Photomedicine and Laser Surgery
- Photomedicine and Photochemistry
- Journal of Photochemistry and Photobiology Biology
- Annals of Biomedical Engineering

DATE: June 9, 2018

LOCATION:

1207 Evans Blvd. Ottawa ON K1H 7T6

TIME: 8:00 AM

LECTURE OR PARTICIPATION:

8:30 AM - 4:30 PM

7 CE hours

COST: DDS - \$799 + HST

RDH - \$499 + HST

RDA - \$299 + HST

CONTACT PERSON:

NATHALIE VERDON

PHONE: 613-979-LASE

FAX: 613-733-2645

REFUND & CANCELLATION POLICIES: 30 DAYS

Who should attend

Dentists , medical doctors, chiropractors , naturopaths , physiotherapists who want to learn more about drug-free therapy to control post surgical pain and treat chronic conditions like muscle and joint dysfunction .

Course Summary

- Basic Physics of light and lasers overview
- Define terms like power , energy, dose
- Evidence based literature review
- Explain mechanism of action of photo-biomodulation (PBM) on a cellular level
- Describe treatment protocols for TMJD trigeminal neuralgia, laser analgesia and other conditions

Learning Objectives

- Know terminology used in the field of photo-biomodulation
- Learn how low level laser therapy can be used as adjunctive treatment to help with post surgical recovery and complications, like temporary nerve paraesthesia
- Learn treatments to aid in management of chronic conditions such as TMJ dysfunction
- Learn about proper dosage and bi-phasic dose response.