

# IALMS NEWSLETTER - December 2013

## Contents

- Report On Laser Florence 2013, November 9<sup>th</sup> -10<sup>th</sup> .....2
- Networks Generated By Laser Florence Conferences.....15
- IALMS Activity 2013.....17
- IALMS Reservation form for membership.....18



# **IALMS NEWSLETTER - December 2013**

## **Report on Laser Florence 2013**

**A. Baruchin, MD, PhD, Rapporteur, Askelon University, Israel**

Laser Florence 2013 meeting was characterized by the presence of many young medical students, doctors, researchers and various healthcare professionals. Laser Florence, once again brought together international group of delegates despite difficult economic and financial times in Europe and elsewhere, to discuss pertinent and topical issues surrounding the laser world in a two-day conference in Florence during 9<sup>th</sup>-10<sup>th</sup> November 2013.

The exceptional meeting offered a rare opportunity to intermingle the scientific world of laser technology, delegates from 40 countries who delivered more than 100 Lectures .The meeting offered a rare opportunity to have a glimpse into some interesting but little-discussed aspects of laser medicine related to Eastern & Western thoughts.

The project was made possible thanks to the generous support of the World Health academy. More than 150 attendants came from 36 countries including least developed countries.

The traditional Italian hospitality and kindness coupled with 27 years experience of the Laser Florence meetings, helped to create the proper atmosphere for scientific discussions, to renewal of old friendship and establishing new ones.

Less emphasis was given to commercial and advertisement by laser manufacturers due to legal restrictions and for conflict of interests reasons

---

The main themes of the meeting were as follows:

1. Laser Therapy of stem cells
2. Laser Therapy of traumatic and degenerative spinal cord injuries, including paraplegia, tetraplegia, brain injuries.
3. Laser Therapy of female infertility.
4. Laser surgery of arterial and vein
5. Aesthetic & Dermatologic laser medicine and surgery.
6. Laser Dentistry: state of the art
7. Photodynamic diagnosis and therapy

Juanita Andres from Bethesda University (USA) reviewed the pathway and evolution of laser treatment of stem cells in severe cases of spinal cord injuries , starting with the Leonardo Longo's proposed experimental protocol in 2000, through laboratory experiments in 2005 and final results in 216 SCI patients. After 10 years of research the results are: 16 walking patients, 135 patients are standing upright and have various degrees of movements with aid ,the rest of the patients regained several activities below injury level e.g. anal sphincter function, sexual activity. Sensibility and muscle response to stimuli. Nowadays, the EMG Biofeedback devices offer a technologically advanced yet cost effective range of EMG display and data capture systems offering both full portability and real time display and analysis options.

Klaus Fritz (Germany) and George Sorin Tiplica (Rumania) have demonstrated the beneficial effects of Cryoneuroablation (also known as cryoanalgesia or Cryoneurolysis) as treatment with Long-lasting solution for dynamic facial lines

e.g. : eye bags, sagging skin, wrinkles and nasolabial folds. The authors claim that the results last for about 4 months with no nerve damages.

Some promising results using new laser devices & technology have been communicated as well: the new 355 nm laser for treatment of vitiligo psoriasis ,alopecia areata & scleroderma , Angelo Massimiliano D'Erme & Torello Lotti (Italy), Rosacea ,E.Moroz (Ukraine)

The detailed program of the meeting is shown below:

( The awarded lectures and posters are highlighted in yellow )

## LASER FLORENCE 2013 - PROGRAM AT-A-GLANCE

<b>LASER DENTISTRY</b>		
<b>Room A – November 9<sup>th</sup>, 2013</b>		
<b>Chairpersons: C. Fornaini, J-P Rocca, S. Svanberg</b>		
<b>9:00</b>	<b>LASER SPECTROSCOPY APPLIED TO MEDICINE, FOOD SAFETY, AND ECOLOGY</b>	<b>Sune Svanberg</b> Department of Physics, Lund University, Lund - Sweden
<b>9:15</b>	<b>CLINICAL APPLICATIONS OF LASER THERAPY BASED ON TRANSLATIONAL PRECLINICAL DENTAL RESEARCH</b>	<b>A. L. B. Pinheiro , L. G. P. Soares</b> Center of Biophotonics, School of Dentistry, Federal University of Bahia, Salvador, BA, Brazil
<b>9:30</b>	<b>MULTIWAVELENGTH DIODE LASER : PRELIMINARY CLINICAL OBSERVATIONS</b>	<b>Rocca JP, Fornaini C.</b> UFR Odontologie. Univ. Nice Sophia Antipolis
<b>9 :45</b>	<b>OZONE VS TECHNICAL STANDARD IN THE TREATMENT OF NECROTIC ROOT CANAL STUDY IN VIVO</b>	<b>Raphael Sanchez-Chacón JR,</b> Unidad de Especialidades Odontológicas, Mexican Army Mexico D.F.
<b>10 :00</b>	<b>THE CHOICE OF THE PROPER WAVELENGTH IN THE SOFT TISSUES ORAL SURGERY: “IN VITRO” AND “IN VIVO” STUDY.</b>	<b>E. Merigo</b> Ambulatorio di Patologia e Chirurgia Orale Laser Dental School - EMDOLA (European Master Degree in Oral Laser Applications) - Università degli Studi di Parma, Italy
<b>10 :15</b>	<b>USE OF SCANNER HANDPIECE ER:YAG LASER IN ORTHODONTICS AND CONSERVATIVE DENTISTRY</b>	<b>Fornaini C</b> Dental School, University of Parma
<b>10 :30</b>	<b>COFFEE-BREAK</b>	
<b>Chairpersons: A.L.B. Pinheiro, M. Rashkova, K. Svanberg</b>		
<b>10 :45</b>	<b>LLLT EFFICACY EVALUATION IN SWELLING AND PAIN CONTROL AFTER THE EXTRACTION OF LOWER IMPACTED THIRD MOLARS: “IN VIVO” STUDY</b>	<b>Margalit Meirav, Ricotti E, Merigo E, Fornaini C, Meleti M, Manfredi M, Vescovi P</b> European Master Degree on Oral Laser Application (EMDOLA) - University of Parma – Italy



<b>11 :00</b>	<b>LASER IN OTOLARYNGOLOGY 35 YEARS OF EXPERIENCE AND FUTURE POSSIBILITIES OF THE RESEARCH AND ON THE FIELD</b>	<b>G. Bastianelli, MD, L. Longo<sup>1</sup>, MD, C. Cavicchi, MD, A. Alweis, Ph, D. Bellomo, PhD</b> Centro Oncologico Fiorentino Villa Ragionieri, Firenze <sup>1</sup> Institute Laser Medicine, Firenze
<b>11 :30</b>	<b>SINERGY LIGHT/COLOR IN THE PHOTODYNAMIC THERAPY: "IN VITRO" STUDY</b>	<b>Parisi A, Pedicchio F, Merigo E, Fornaini C, Conti S, Ciociola T, Lagori G, Meleti M, Manfredi M, Vescovi P</b> European Master Degree on Oral Laser Application (EMDOLA) – University of Parma -Italy
<b>11 :45</b>	<b>ROLE OF THE LASER IN THE SPECIAL CARE DENTISTRY: A CLINICAL OVERVIEW</b>	<b>Oppici A, Fornaini C, Fontana M, Merigo E and Clini F</b> Odontostomatology Unit "Special Cares and Special Projects" "Guglielmo da Saliceto" Hospital – Piacenza (Italy)
<b>12 :00</b>	<b>LASER VS. QUANTIC MOLECULAR RESONANCE SURGERY OF ORAL LEUKOPLAKIA: HISTOMORPHOMETRICAL COMPARED ANALYSIS OF SURGICAL MARGINS</b>	<b>Barbieri C, Monteiro L, Meleti M, Merigo E, Manfredi M, Fornaini C, Vescovi P</b> Institute: University of Parma – European Master Degree on Oral Laser Applications
<b>12 :15</b>	<b>A SELECTIVE ER-YAG LASER EXCAVATION CONTROLLED BY FLUORESCENCE- IN VIVO STUDY</b>	<b>Zhegova Galia<sup>1</sup>, Rashkova Maya<sup>2</sup>, Mitova Nadia<sup>3</sup></b> <sup>1</sup> Assistant professor, Medical University of Sofia, Faculty of Dental Medicine, Dept of Pediatric Dentistry; <sup>2</sup> PhD Professor, Medical University of Sofia, Faculty of Dental Medicine, Dept of Pediatric Dentistry; <sup>3</sup> Assistant professor; Medical University of Sofia, Faculty of Dental Medicine, Department of Pediatric Dentistry
<b>12 :45</b>	<b>APPLICATIONS OF LASER SPECTROSCOPY TO MEET CHALLENGES IN MEDICINE</b>	<b>Katarina Svanberg, MD, PhD</b> Dept of Oncology, Lund University Hospital, Lu Sweden
<b>13 :30</b>	<b>LIGHT - LUNCH</b>	

## **BASIC SCIENCE AND LASER PHYSICS**

**Room B – November 9<sup>th</sup>, 2013**

**Chairpersons: A. Goren, M. Pascu, J. Vaitkus**

<b>9:00</b>	<b>OVERVIEW ON THE INTERACTION BETWEEN MEDICINES EXPOSED TO LASER RADIATION AND MATERIALS OF MEDICAL INTEREST</b>	<b>M.L. Pascu<sup>1,2</sup>, Agota Simon<sup>1,2</sup>, Victoria Dutsch<sup>3</sup>, Tatiana Alexandru<sup>1,2</sup>, V. Nastasa<sup>1</sup>, M. Boni<sup>1,2</sup>, Andra Dinache<sup>1,2</sup>, Ruxandra Angela Pirvulescu<sup>4</sup></b> <sup>1</sup> National Inst. for Laser, Plasma and Radiation Physics, Bucharest <sup>2</sup> Physics Faculty, University of Bucharest, Romania <sup>3</sup> Faculty for Engineering Technology, University of Twente, Enschede, The Netherlands <sup>4</sup> Faculty of Medicine, University of Medicine and Pharmacy "Carol Davila", Bucharest, Romania
<b>9:15</b>	<b>LASER METHODS IN GENERATING ANTI-INFECTIVE EFFECTS OF NON-ANTIBIOTICS</b>	<b>M.L. Pascu<sup>1,2</sup>, I.R. Andrei<sup>1</sup>, Adriana Smarandache<sup>1</sup>, Andra Dinache<sup>1,2</sup>, Tatiana Alexandru<sup>1,2</sup>, M. Boni<sup>1,2</sup>, Angela Staicu<sup>1</sup>, Ruxandra Angela Pirvulescu<sup>3</sup></b> <sup>1</sup> National Institute for Laser, Plasma and Radiation Physics, Bucharest, Romania <sup>2</sup> Physics Faculty, University of Bucharest, Romania <sup>3</sup> Faculty of Medicine, University of Medicine and

		Pharmacy "Carol Davila", Bucharest, Romania
<b>9:30</b>	<b>THE INFLUENCE OF LASER ON THE MECHANICAL PROPERTIES</b>	<b>M. Kucharova<sup>1</sup>, V. Navratil<sup>2</sup>, L. Navratil<sup>2</sup>, P. Klemesova<sup>1</sup>, S. Doubal<sup>1</sup>, Y. Efremova<sup>1</sup></b> <sup>1</sup> Charles University in Prague, Faculty of Pharmacy in Hradec Kralove, Czech Republic <sup>2</sup> Czech Technical University in Prague, Faculty of Biomedical Engineering in Kladno, Czech Republic
<b>9:45</b>	<b>HIGH TECH BIODEGRADABLE NANOVECTORS IMPROVE DELIVERY OF SELECTED ANTIOXIDANTS TO TARGET CELLS</b>	<b>Jacopo Lotti*, Victoria Barygina, Silvia Misuraca, Francesco Lotti** &amp; Torello Lotti</b> *Dept. of Nuclear , Sub-Nuclear and Radiation Physics. University of Rome "G.Marconi" , Rome - Italy **Dept. of Clinical Physiopathology , University of Florence , Florence - Italy Dermatology Chair , University of Rome "G. Marconi" , Rome - Italy
<b>10:00</b>	<b>NON CONTACT ASSESSMENT OF VITAL SIGNS: LDV vs IMAGE-BASED</b>	<b>L. Scalise, N. Bernacchia, P. Marchionni, I. Ercoli, E.P. Tomasini</b> DIISM - Univ. Politecnica delle Marche, Ancona, Italy <b>AWARD AND GRANT OFFERED BY THE LIONS CLUB FIRENZE STIBBERT</b>
<b>10:15</b>	<b>LASER SURGERY IN G.I. TRACT</b>	<b>S. Rau</b> Chennai University, India
<b>10:30</b>	<b>FLUORESCENCE DIAGNOSTICS <i>IN VIVO</i> AND <i>IN VITRO</i> COMPARISON ON CERVIX UTERI</b>	<b>A.Vaitkuvienė<sup>1</sup>, K.Svanberg<sup>2</sup></b> <sup>1</sup> Vilnius University, Lithuania <sup>2</sup> Dept of Oncology, Lund University Hospital, Lund, Sweden
<b>10:45</b>	<b>LASER SAFETY: KEYS TO COMPLIANCE</b>	<b>Penny J. Smalley RN, CMLSO</b> Technology Concepts International, Chicago, Illinois, USA
<b>11:00</b>	<b>ASSESSMENT OF APPLE OPTICAL PROPERTIES USING THE SPATIALLY RESOLVED SPECTROSCOPY LASER METHOD</b>	<b>M.L. Askoura <sup>1,2*</sup>, V. Piron <sup>1,2</sup>, E. Madieta<sup>a</sup> and J-P. L'Huillier<sup>2</sup></b> <sup>1</sup> Groupe ESA, Angers, France <sup>2</sup> ENSAM Arts et Métiers ParisTech
<b>11:15</b>	<b>COFFEE BREAK</b>	

# IALMS NEWSLETTER - December 2013

<b>November 9<sup>th</sup>, 2013</b> <b>ROOM A 13:00 -14.00 - TALK POSTER SESSION</b> <b>Chairpersons: J. Hercogova, T. Lotti, M. Postiglione, A. Tataru, A. Vaitkuviene</b>		
<b>1</b>	<b>BURNING MOUTH SYNDROME BEFORE AND AFTER TREATMENT WITH LOW LEVEL LASER THERAPY</b>	<b>Pezelj-Ribarić Sonja, Peršić Romana, Muhvić Urek Miranda, Glažar Irena, Brekalo Pr Braće Branchetta , Rijeka - HR</b>
<b>2</b>	<b>INFLUENCE OF MEDIUM CONDITIONED BY ROOTS TREATED WITH LASER</b>	<b>C. Andreotti Damante,P S B H Karam, R C Oliveira, S L A Gregghi, M L R Rezende, AC</b> Bauru School of Dentistry - University of São Paulo
<b>3</b>	<b>MODIFICATION OF RADIATION DAMAGE TO BIOLOGICAL OBJECTS BY LASING</b>	<b>K.S. Voskanyan, G.V. Mitsyn, V.N. Gaevsky, S.V. Shvidky</b> <i>Joint Institute for Nuclear Research, Dubna, Russia</i>
<b>4</b>	<b>RAMAN AND CARS MICROSCOPY FOR BIOMEDICAL APPLICATIONS</b>	<b>Grigory Arzumanyan, V. Vartic, K. Voskanyan</b> Joillot-Curie, 6 – Dubna 141980, Russia
<b>5</b>	<b>THE EFFICACY OF LOW LEVEL LASER THERAPY IN KNEE OSTEORTRHITIS</b>	<b>Abdullah Al Rashoud, PhSt, R.J. Abboud, W. Wang, C. Wigderowitz</b> - Department of Orthopaedic and Trauma Surgery, College of Medicine, Dundee - UK
<b>6</b>	<b>LASER ASSISTED LIPOLYSIS - A NEW TREATMENT IN AXILLARY HYPERHIDROSIS</b>	<b>A.Tataru, A.Avram</b>
<b>7</b>	<b>A COMPARATIVE STUDY ON EFFICACY OF 308NM-EXCIMER LASER VS. TACROLIMUS IN THE TREATMENT OF PROGRESSIVE VITILIGO ON FACE OR NECK</b>	<b>Yan Wu, Li Qiu, Hong-Duo Chen, Xing-Hua Gao</b> Department of Dermatology, No.1 Hospital of China Medical University, Shenyang, China <b>SCHOLARSHIP</b>
<b>8</b>	<b>EVALUATION OF THE EFFECT OF SUBLATIVE FRACTIONATED RADIOFREQUENCY (E-MATRIX , SYNERON ) IN COMBINATION WITH ELOS-TECHNOLOGY(SRA) ON THE IMPROVEMENT OF STRIAE</b>	<b>Avierina Vladliena<sup>1</sup>, Elena Moroz<sup>3</sup></b> <sup>1</sup> Feofania Clinic, Kiev, Ukraine <sup>3</sup> Oxford Medical, Ukraine <b>SCHOLARSHIP</b>
<b>9</b>	<b>CARBON DIOXIDE LASER IN THE TREATMENT OF GENITAL WARTS</b>	<b>S. Gianfaldoni<sup>1</sup>, R. Gianfaldoni<sup>1</sup>, T. Lotti<sup>2</sup></b> <sup>1</sup> Dept of Dermatology, University of Pisa, Italy <sup>2</sup> Professor and chair of Dermatology University of Rome G. Marconi
<b>10</b>	<b>EFFECTS ON PERMANENT HAIR REMOVAL WITH LASERS</b>	<b>Koçinaj A<sup>1</sup>, Fida M<sup>2</sup>, Ferizi M<sup>1</sup>, Koraçi A<sup>2</sup></b> <sup>1</sup> University of Prishtina, Prishtina, Kosovo <sup>2</sup> University of Tirana, Tirana, Albania
<b>11</b>	<b>DIFFERENT TREATMENT APPROACHES WITH ERBIUM LASER</b>	<b>Koçinaj A1, Fida M2, Koraçi A2</b> 1University of Prishtina, Prishtina, Kosovo 2University of Tirana, Tirana, Albania
<b>12</b>	<b>LASER IN MELASMA</b>	<b>Amin Amer, Mohamed Amer</b> Dermatology and Venereology,zagazig University Cairo - Egypt
<b>13</b>	<b>EFFICACY OF TOPICAL 35% TRI-CHLOROACETIC ACID IN THE TREATMENT OF POST-ACNIS SCARS</b>	<b>Feroza Fatima</b> Abbasi Shaheed Hospital, Karachi, Pakistan

# IALMS NEWSLETTER - December 2013

14	FRACTIONAL CO2 LASER VERSUS COMBINED FRACTIONAL CO2 LASER AND ND:YAG LASER IN TREATMENT OF STRIAE DISTENSAE : A CLINICAL AND HISTOPATHOLOGICAL STUDY	Eman Shaarawy, MD , Dalia M. Abdel Halim, MD, Yosra Abdel Galeil Abdel Halim Department of Dermatology, Cairo University, Egypt.
15	EFFICACY AND SAFETY OF TOPICAL BETA BLOCKERS( 0.5% TIMOLOL MALEATE EYE DROPS ) IN THE TREATMENT OF INFANTILE HAEMANGIOMAS	Tissera MKD <sup>1</sup> , Senevirathne JKK <sup>2</sup> , Jayamanne BDW <sup>3</sup> , Munasinghe R <sup>4</sup> <sup>1</sup> Senior Registrar ,Dermatology LRH ,Colombo 9 ,Sri Lanka <sup>2</sup> Professor in Dermatology LRH ,Colombo 9,Sri Lanka <sup>3</sup> PG Trainee –MSc. In Biomedical Informatics, Post Graduate Institute of Medicine,Sri Lanka <sup>4</sup> Medical Officer - Dermatology LRH ,Colombo 9,Sri Lanka
16	PULSE DYE LASER IN THE TREATMENT OF VERRUCAE VULGARIS	Panagioti Despina MD Kostakis Panagiotis MD, Drekolia Eugenia MD Greece
17	STIMULATION OF GROWTH FACTORS SECRETION BY LOW INTENSITY LASER AND LED	P S B H Karam, P O Cunha, R Ferreira, A C P Sant'Ana, M L R de Rezende, S L A Gregghi, R C Oliveira, C A Damante. Bauru School of Dentistry, Univ. of São Paulo, Brasil
18	EFFECTS OF POLARIZATION ON LIOB FOR SKIN REJUVENATION	Valentina Bonito, Babu Varghese, Simona Turco, Rieko Verhagen Philips Research Care&Health, High Tech Campus, The strip, Eindhoven – The Netherlands
19	EFFECTIVENESS OF THE DEVELOPED METHODS OF PREPARATION FOR THE COURSE OF TREATMENT OF EXCESS BODY FAT BY LOW-LEVEL LASER-ASSISTED LIPOSUCTION	Mariya Serheyeva, M.D. Ukrainian Medical Systems, Kiev, Ukraine
20	ROSACEA TREATMENT USING THE NEW-GENERATION, 595 NM, LONG PULSE-DURATION PULSED-DYE LASER VBEAM PERFECTA (CANDELA CORP. USA)	E. Moroz (Ukraine) Oxford Medical, Ukraine <b>SCHOLARSHIP, AWARD AND GRANT OFFERED BY DOLCE AQUA</b>

## LASER DERMATOLOGY - 1

Room A – November 9<sup>th</sup>, 2013

Chairpersons: P. Cunha, J. Hercogova, K. Khatri, T. Lotti

14:30	LASER TO TREAT NAIL FUNGUS – EFFECTIVE OR JUST A NEW HYPE?	Klaus Fritz <sup>1,3</sup> , Wojciech Francuzik <sup>2</sup> , George Sorin Tiplica <sup>3</sup> <sup>1</sup> Haut und Laserzentrum Landau <sup>2</sup> University Poznan dept. Dermatology <sup>3</sup> University Clinics Carol Davila Bukarest
14:45	NOVEL CLASS OF PRO-DRUGS IN DERMATOLOGY: MIMICRY OF	Andy Goren, MD University of Rome ("G.Marconi"), Italy

# IALMS NEWSLETTER - December 2013

	NARROWBAND PHOTOTHERAPY WITH NATURAL SUNLIGHT	
15:00	LASER THERAPY IN BURNS	<b>R. Gianfaldoni</b> Dept of Dermatology, University of Pisa, Italy
15:15	LASER HAIR REMOVAL: WHAT'S NEW	<b>Khalil A. Khatri, MD</b> Skin & Laser Surgery Center of New England New England institute of Laser Research, Boston, MA
15:30	LASER PLA TREATMENT USING HYDROGEL BANDAGE	<b>Keti Zeka</b> <b>E.Tchokogue, V.Corradini, M.A.Continenenza, F.Vegliò, L.Pajewski</b> Università degli Studi Dell'Aquila, Italy
15:45	FOCUSED COLD THERAPY FOR DYNAMIC FACIAL LINES	<sup>1,2</sup> <b>Klaus Fritz, <sup>2</sup>George Sorin Tiplica</b> <sup>1</sup> Haut und Laserzentrum Landau, Germany <sup>2</sup> University Carol Davila Bukarest, Rumania
16:00	TOPICAL APPLICATIONS OF PRP POST LASER RESURFACING	<b>Alessio Redaelli, Pietro Limardo</b> (Milan, Italia), (Lodi Italia)
16:15	LASER SKIN RESURFACING: ARE WE THERE YET	<b>Khalil A. Khatri, MD</b> Skin & Laser Surgery Center of New England New England institute of Laser Research, Boston, MA
16:30	COFFEE BREAK	
<b>LASER DERMATOLOGY - 2</b> <b>Room A – November 9<sup>th</sup>, 2013</b> <b>Chairpersons: K. Fritz, K. Nouri, C. Spartera</b>		
16:45	VASCULAR MALFORMATIONS TREATMENT BY MEANS OF COMBINED PRP AND ND. YAG LASER 1064 NM METHOD	<b>I. Kapchucenko (Ukraine)</b>
17:00	PRIMARY AND SECONDARY HYPERHIDROSIS TREATED WITH BTXA	<b>Alessio Redaelli, MD, Pietro Limardo, MD</b> Milan, Italy; Lodi, Italy
17:15	UVA1 LASER (ALBA 355®) FOR ALOPECIA AREATA	<b>Angelo Massimiliano D'Erme<sup>1</sup>, Torello Lotti<sup>2</sup></b> <sup>1</sup> Division of Dermatology, Dept.of Surgery and Translational Medicine, University of Florence, Italy <sup>2</sup> Full Professor and Chair of Dermatology, University of Rome G.Marconi, Rome, Italy
17:30	LASERS FOR SCARS	<b>Keyvan Nouri, MD</b> University of Miami Dept of Dermatology and Cutaneous Surgery, Miami, USA
17:45	LASER AND LIGHT TREATMENT OF HYPERTROPHIC SCARS and KELOIDS	<b>L. Longo, MD, F. Giubilo, MD, C. Romanelli, MD, D. Longo, PTSt</b> <i>Institute Laser Medicine – Florence, Italy</i>
18:00	THE EFFICACY OF LOW LEVEL LASER THERAPY (810 NM) IN THE TREATMENT OF ACNE VULGARIS	<b>Sulafa Abdalla Mohammed</b> Khartoum, Sudan <b>SCHOLARSHIP</b>
18:15	DIODE LASER VS. INTENSE PULSED LIGHT FOR HAIR REMOVAL: A RANDOMIZED CONTROLLED TRIAL	<b>E Angelovska<sup>1</sup>, S Nikolovska<sup>1</sup>, K Damevska<sup>1</sup>, A Kokaleska-Petrushevska<sup>2</sup></b> <sup>1</sup> University Clinic of Dermatology, Skopje, Macedonia <sup>2</sup> PHO Dr. Anchevski, Skopje, Macedonia

# IALMS NEWSLETTER - December 2013

		<b>SCHOLARSHIP AND GRANT OFFERED BY EVILASER</b>
<b>18:30</b>	<b>COMBINED LASER - SURGICAL TREATMENTS IN POST-ACNE SCARS</b>	<b>Alexandru Tataru <sup>1</sup>, Adrian Avram<sup>2</sup></b> <sup>1</sup> Univ. Med. Pharm. Cluj – Napoca, Dept.Dermatology <sup>2</sup> Q – Clinic, Aesthetic surgery, Cluj – Napoca
<b>18:45</b>	<b>LASER LIPOLYSIS AND SKIN TIGHTENING</b>	<b>M. Trelles, MD</b> Instituto medico Vilafortuny, Cambrils, Spain
<b>19:00</b>	<b>355NM UVA1 LASER - A NEW TREATMENT OPTION FOR INFLAMMATORY SKIN DISEASES</b>	<b>Thomas Dirschka, MD, PhD</b> Dermatology Dept, University of Witten-Herdecke, Germany
<b>19:15</b>	<b>Open Ceremony with Welcome Cocktail and leading lecture of Prof J. Anders, University of Bethesda (USA), on TRANSLATING RESEARCH FROM THE LABORATORY BENCH TO THE BED SIDE: THE ROLE OF INTERNATIONAL CONFERENCES</b>	

# IALMS NEWSLETTER - December 2013

## LASER DERMATOLOGY - 3

Room A – November 10<sup>th</sup>, 2013

Chairpersons: A.Baruchin, R. Gianfaldoni, K. Konnikov, K. Russe

9:00	PLANTAR WARTS (VERRUCAE PLANTARIS) TREATED BY CO2 LASER: Single-center Experience with 1724 cases gained during 12 years.	Ohad Baruchin MD <sup>1,2</sup> & Abraham M.Baruchin MD <sup>1</sup> <sup>1</sup> Laser Unit, Barzilai University Medical Center, Ashkelon, Israel <sup>2</sup> Department of Ob/Gyn, Assaf Harofeh University Medical Center, Zerifin, Israel
9:15	ROSACEA: EXPERIENCE WITH THE LONG -PULSED 1064 NM ND:YAG LASER	S. Gianfaldoni <sup>1</sup> , R. Gianfaldoni <sup>1</sup> , T. Lotti <sup>2</sup> <sup>1</sup> Dept of Dermatology, University of Pisa, Italy <sup>2</sup> Professor and chair of Dermatology Univ. of Rome G. Marconi
9:30	ACTINIC KERATOSES AND CO2 LASER ABLATION	S. Gianfaldoni <sup>1</sup> , R. Gianfaldoni <sup>1</sup> , T. Lotti <sup>2</sup> <sup>1</sup> Dept of Dermatology, University of Pisa, Italy <sup>2</sup> Professor and chair of Dermatology University of Rome G. Marconi
9:45	UVA1 LIGHT VS UVA1 LASER EMISSION: NEW DATA AND HYPOTHESES	Angelo Massimiliano D'Erme <sup>1</sup> , Torello Lotti <sup>2</sup> <sup>1</sup> Division of Dermatology, Dept.of Surgery and Translational Medicine, University of Florence, Italy <sup>2</sup> Full Professor and Chair of Dermatology, University of Rome G.Marconi, Rome, Italy
10:00	UVA1 LASER (ALBA 355®) FOR LOCALIZED SCLERODERMA	Angelo Massimiliano D'Erme <sup>1</sup> , Torello Lotti <sup>2</sup> <sup>1</sup> Division of Dermatology, Dept.of Surgery and Translational Medicine, University of Florence, Italy <sup>2</sup> Full Prof and Chair of Dermatology, Univ. of Rome "G.Marconi", Italy
10:15	A NEW CONCEPT OF FACIAL REJUVENATION: MINIMALLY INVASIVE 1440nm LASER TISSUE TIGHTENING IN COMBINATION WITH AUTOLOGOUS FAT GRAFTING	Katharina Russe-Wilflingseder, Elisabeth Russe Plastische Chirurgie und Laserzentrum Innsbruck, Austria
10:30	NEW PATIENT ENGAGEMENT TOOLS FOR PRE-CLINICAL R&D AND MEDICAL PRACTICE	Yan Valle VR Foundation, Inc., 1, Penn plaza, suite 6205 New York, USA
10:45	COFFEE BREAK	

## LASER DERMATOLOGY - 4

ROOM A – NOVEMBER 10<sup>th</sup>, 2013

Chairpersons: D. Parshad, J. Sigova, A. Turkevych, M. Trelles

11:00	ABLATIVE LASER THERAPY GUIDED BY OPTICAL COHERENCE TOMOGRAPHY	Jagdeo Jared UC Davis, Brooklin 11230 – NY, USA <b>SCHOLARSHIP</b>
11:15	TREATMENT OF MACULAR AMYLOIDOSIS WITH FRACTIONAL CO <sub>2</sub> LASER ALONE OR IN COMBINATION WITH TOPICAL STEROID OR VITAMIN C: SINGLE BLINDED CONTROLLED STUDY	Rehab Aly Hegazy Lecturer of Dermatology, Faculty of Medicine, Cairo University
11:30	FRACTIONAL CO <sub>2</sub> LASER IS AN	S. Esmat, MD, A. El- Ramly, MD, D. Abdel Halim, MD,



# IALMS NEWSLETTER - December 2013

	<b>EFFECTIVE THERAPEUTIC MODALITY FOR XANTHELASMA PALPEBRARUM</b>	<b>H. Gawdat, MD, H. Taha</b> MBBCH, Dept of Dermatology, Faculty of Medicine, Cairo University. Cairo, Egypt.
<b>11:45</b>	<b>SCAR TISSUE TREATMENT WITH RF AND ULTRASOUND</b>	<b>M. Trelles, MD</b> Instituto medico Vilafortuny, Cambrils, Spain
<b>12:00</b>	<b>ENDOVENOUS LASER TREATMENT: STATE OF THE ART</b>	<b>C Spartera, MD</b> Director, Vascular Surgery, Dept, L'Aquila University
<b>12.15</b>	<b>THE MOST EFFECTIVE TREATMENT FOR MELASMA: RADMANESH'S METHOD</b>	<b>Mohammad Radmanesh<sup>1</sup> and Nooshin Bagherani<sup>2</sup></b> <sup>1</sup> Associate Professor of Dermatology, Department of Dermatology, Ahvaz Jundishapur Univ. of Medical Sciences, Ahvaz, Iran <sup>2</sup> Dermatologist, Dr. Nooshin Bagheran's Office, Taha Physician Building, Khoramshahr, Iran
<b>12.30</b>	<b>MELASMA: ADVANCES IN TREATMENT USING Q-SWITCHED ND-YAG AND/OR IPL</b>	<b>P. Cunha, MD</b> Latin America Chair for Advances in Laser and High Technology, Sao Paulo, Brazil
<b>12.45</b>	<b>Meet the Chairpersons</b> <b>A.Baruchin, P. Cunha, K. Fritz, R. Gianfaldoni, A. Goren A. Greco, J. Hercogova, K. Khatri, N. Konnikov, T. Lotti, U. Montaguti, K. Nouri, D. Parshad, K. Russe, C. Spartera, J. Sigova, A. Tataru, M. Trelles, A. Turkevych, A. Vaitkuvienė, Y. Valle</b>	
<b>13.00</b>	<b>LIGHT LUNCH</b>	



<b>IAOMS NEWSLETTER</b>			<b>December 2013</b>		
<b>14:45</b>	<b>LOW-POWER LASER THERAPY</b>		Dean, School of Physiotherapy, Univ.of Otago, Dunedin, New Zealand		
<b>15:00</b>	<b>MEDIAN NERVE ANASTOMOSES USING CHITOSAN ADHESIVE FILMS</b>		<b>Matthew J. Barton<sup>1</sup>, John W. Morley<sup>1</sup>, Marcus A. Stoodley<sup>2</sup>, Sumaiya Shaikh<sup>1</sup>, David A. Mahns<sup>1</sup> and Antonio Lauto<sup>1</sup>.</b> <sup>1</sup> School of Medicine, Univ.of Western Sydney, <sup>2</sup> The Australian School of Advanced Medicine, Macquarie Univ, 2 Technology Place, Macquarie University, Sydney. Australia.		
<b>15:15</b>	<b>GREEN LASER PROMOTES PROLIFERATION OF NEURAL PROGENITOR CELL</b>		<b>Yumi Fukuzaki, Haruna Sugawara,Banri Yamanoha,Hideki Kawal,Shinichi Kogure</b> Dept of Bioinformatics, Faculty of Engin, Soka Univ. – Japan <b>AWARD AND KAPLAN'S BOOK SIGNED</b>		
<b>15:30</b>	<b>HIGH FLUENCE LOW-POWER LASER EFFECT IN GAMMA-IRRADIATED MICE</b>		<b>Yulia Efremova<sup>1</sup>, Vaclav Navratil<sup>1</sup>, Zuzana Sinkorova<sup>2</sup>, Leos Navratil<sup>1</sup></b> <sup>1</sup> Czech Tech. Univ.,Faculty of Biomedical Engineer., Kladno <sup>2</sup> University of Defence, Faculty of Military Health Sciences, Hradec Kralove, Czech Republic		
<b>15:45</b>	<b>LASER BIOMODULATION OF NORMAL AND NEOPLASTIC CELLS</b>		<b>Farouk A.H. Al-Watban, MSc, PhD</b> President , World Academy for Laser Applications (WALA) Riyadh, Saudi Arabia		
<b>16:00</b>	<b>sEMG-BIOFEEDBACK FOR THE EVALUATION OF LASER THERAPY ON TRAUMATIC CENTRAL NERVOUS SYSTEM INJURIES</b>		<b>J. Lotti, PhD*, D. Longo, PTSt, C. Romanelli, MD, L. Longo, MD</b> <i>*University of Rome "Guglielmo Marconi", Dept. of Nuclear, Subnuclear and Radiation Physics - Institute Laser Medicine - Florence, Italy</i>		
<b>16:15</b>	<b>COFFEE-BREAK</b>				
<b>Chairpersons: F. Al-Watban, M. Herold, L. Longo, L. Navratil</b>					
<b>16:30</b>	<b>THE TENNIS PLAYER'S SHOULDER" THE CONSERVATIVE TREATMENT WITH LASER</b>		<b>Parra Pier Francesco, MD</b> Visiting Professor in Phisical Science at Pisa University, Italy		
<b>16:45</b>	<b>LLLТ IN RHEUMATOLOGY</b>		<b>M. Herold</b> Innsbruck University, Austria		
<b>17:00</b>	<b>NON SURGICAL LASER THERAPY 1064 NM (Aerolase) FOR THE</b>		<b>L. Longo, MD, F. Giubilo, MD, C. Romagnoli, MD, D. Longo, PTSt</b>		

# IALMS NEWSLETTER - December 2013

	TREATMENT OF THE INDURATIO PENIS PLASTICA	<i>Institute Laser Medicine – Florence, Italy</i>
<b>17 :15</b>	INCREASED ATP LEVELS IN CARDIAC AND SPERM CELLS IMMEDIATELY AFTER BROADBAND VISIBLE LIGHT ILLUMINATION	<b>R. Lubart, A. Shainberg and M. Eichler</b> Physics and Life Sciences Departments, Bar-Ilan University, Israel
<b>17 :30</b>	QUANTITATIVE ANALYSIS OF TRANSCRANIAL AND INTRPARENCHIMAL LIGHT PENETRATION IN HUMAN CADEVER BRAIN TISSUE	<b>J. Anders<sup>1</sup>, C.E. Tedford<sup>1</sup>, S. Delapp<sup>2</sup></b> <sup>1</sup> USUHS Bethesda, USA <sup>2</sup> Photothera Inc, Carlsbad,
<b>17 :45</b>	LASER AND PHYSICAL THERAPY APPLIED TO TRAUMATIC CENTRAL NERVOUS SYSTEM INJURIES: UPDATE	<b>L. Longo, MD, F. Giubilo, MD, C. Romanelli, MD, D. Longo, PTSt</b> <i>Institute Laser Medicine – Florence, Italy</i>
<b>18 :00</b>	<b>Meet the Chairpersons</b> F. Al-Watban, J. Anders, GD Baxter, M. Herold, A. Lauto, L. Longo, L. Navratil, P.F. Parra	
<b>18.15</b>	<b>PATIENT'S SESSION</b>	
<b>21.00 - GALA DINNER WITH MUSIC AND SHOW, AWARD ASSIGNATION AND CLOSING CEREMONY at Palazzo Borghese, Via Ghibellina, 110 - Firenze</b>		



## **NETWORKS GENERATED BY PREVIOUS LASER FLORENCE CONFERENCES**

**1997:** Pulse light for vascular lesions, advantages and limits. Endovascular laser therapy for various veins. Indication and contraindications for Laser resurfacing procedures.

**1998:** mechanism of action, ant inflammatory and anti-edema effects of Laser. Advantages and limits for laser in dentistry. Types of laser recommended for treatment of telangiectases and reticular veins.

**1999:** Prostatectomy laser. Non surgical endovenous laser modulating the immune system. Advantages and limits of Laser and IPL as hair removal techniques.

**2000:** PDD and PDT for the treatment of gastrointestinal and urological cancers. Laser therapy for wound healing and skin ulcers. , stretch marks, scars, keloids. Laser and IPL in skin rejuvenation.

**2001:** Laser treatment for diabetes type 1 and 2 (live demonstration on patients during the congress, probably, for the first time in the world). Advantages and limits of pulsed light in aesthetic medicine and surgery. What kind of laser should be in rheumatology and sport traumas? Role of European Community and World Health Organization in these issues.

**2002:** Laser Treatment of disk Hernias. Laser and light treatment for Psoriasis and Vitiligo.

**2003:** Laser therapy for nervous cells regeneration, in vitro and experimental. Complications of laser and light therapy and their treatment. Selection of affordable instrumentation. Advantages and limits of laser in ophthalmology. Position of FDA and other International Institution on non surgical laser.

**2004:** laser therapy of spinal cord injuries in clinical practice; first diabetic patients treated with laser in Italy, following Helsinki declaration rules; news on mechanisms of ant inflammatory and regenerative effects of lasers on the human tissues; prostatectomy laser in day surgery; advantages and limits of endoluminal laser surgery of varicose veins ; laser coupled with radio frequency scalpel for skin lesion treatment. Laser treatment of progenitor cells.

# **IALMS NEWSLETTER - December 2013**

**2005:** Cesarean incision with laser. Photodynamic laser for chronic degenerative conditions. Follow-up of laser therapy for diabetes. Laser therapy of traumatic spinal cord injuries. Action mechanism of laser beam on nervous tissue.

**2006:** Photoplethysmography multi laser in vascular diseases. New substances for PDT of lung cancer. Anti-inflammatory and regenerative mechanisms of laser treatment of experimental myocardial infarct. News on Laser therapy in sport traumatology. Radio-protective effects of non-surgical laser.

**2007:** Laser in stem cells therapy: preclinical phase. Laser therapy for traumatic and degenerative spinal cord injuries with live patients presentation. Follow-up of laser therapy in diabetes type 1 and 2. Laser therapy for female infertility. Laser vascular and aesthetic surgery. State-of-the-art on laser dentistry and PDD/PDT.

**2008:** Laser in brain traumatic injuries; Laser therapy for male infertility. Laser and energetic medicine; laser and nervous progenitor cells.

**2009:** Guidelines for the use of non-surgical lasers. Laser Diagnosis. Laser therapy for infertility. Laser and stem cells

**2010:** Follow-up of positive results on central nervous system traumatic injuries. Laser therapy for peripheral nerve reconstruction. Laser therapy for prevention of central nervous system post-traumatic damages. Laser diagnosis of early cancer of lung, uterus, breast, urinary bladder, prostate. Laser and photodynamic therapy of prostate cancer and lung cancer. Laser therapy of the menopause. Light for improving the follow-up of laser therapy of diabetes. Laser and stem cells for treatment of myocardial lesions.

**2011:** Mechanisms of laser effects in quantum medicine; new procedures of percutaneous laser disc decompression of inter-vertebral disks. Antimicrobial photodynamic therapy in chronic osteomyelitis. Multispectral visualization of glial brain tumors containing porphyrins in diffuse and laser-induced fluorescent light. Follow-up of laser treatment of spinal cord traumatic injuries.

**2012:** New treatment of non-ablative laser for hypertrophic scars and keloids; new lasers in sport medicine; lasers for differentiation of stem cells; laser Doppler myography; laser surgery of pancreas

# IALMS NEWSLETTER - December 2013

## IALMS ACTIVITY 2013

### IALMS – WHA COOPERATION

The World Health Academy [ [www.worldhealthacademy.org](http://www.worldhealthacademy.org) ] shares its mission and organization with the IALMS. This fact is a milestone for the increasing of both Academies. Laser Florence 2013 was first joint congress of the IALMS and WHA.

**Supported by the WHA, Scholarship** were introduced in order to sponsor the participation of the most brilliant laser medicine expert under 40 y.o. from the five continents.

### VILNIUS INTERNATIONAL CONGRESS 2013

This year Vilnius was the Capital of Laser Medicine, because the World Federation Societies for Laser Medicine and Surgery had there her four yearly congress, jointed with the bi-yearly congress of the IPTA and of the ISLSM.

The IALMS supported that congress.

Full details on this appointment are available on the web.site  
<http://www.ipta2013.com/>

### ATTENTION !!

### CHANGE E.MAIL AND WEB.SITE ADDRESS

Old e.mail: [info@laserflorence.org](mailto:info@laserflorence.org)

Old web.site: [www.laserflorence.org](http://www.laserflorence.org)

New e.mail [info.laserflorence@gmail.com](mailto:info.laserflorence@gmail.com)

New web.site [www.laserflorence.eu](http://www.laserflorence.eu)

# IALMS NEWSLETTER - December 2013

## IALMS - RESERVATION FORM FOR MEMBERSHIP

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Institution: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_ City: \_\_\_\_\_ Country: \_\_\_\_\_

Telephone: \_\_\_\_\_ FAX: \_\_\_\_\_ Email: \_\_\_\_\_

Specialty: \_\_\_\_\_ Type of Member: \_\_\_\_\_

*It is my intention to subscribe the membership of the IALMS for the year.....*  
*Please indicate your choice(s) by ticking the appropriate box(es)*

Type of membership	Eurodollars
<b>Founding:</b> are members who have participated in the act of foundation or who will be until 31 December 2000.	<b>100</b>
<b>Fellow:</b> after five years of membership, or after <i>three</i> presentations at different A and/or publications in the Academy Journal. Fellowship is by application to the Executive Committee.	<b>100</b>
<b>Ordinary:</b> all the other members. Members are expected to pay the admission fees pre their admission.	<b>200</b>
<b>Scientific Societies and Associations :</b> these pay one USD for each of their members with minimum of 200 members can have one representative in the Executive Committee.	<b>1 for member</b>
<b>Manufacturers:</b> they can have a member in the Executive Committee; They can Academy on their brochures, subject to the approval of the Executive Committee.	<b>500</b>

*I send with this form the total amount of the relevant fees (Please refer to the table up)*  
*Payment may be made (In Euro Dollars) as follows:*

- On-line, from the web.site [www.ialms.com](http://www.ialms.com)
- By credit card (fill in details below)
- By direct bank transfer in favor of the IALMS (see details below)

**(An official copy of the bank transfer should be enclosed with your reservation form)**

**Monte dei Paschi di Siena, Agenzia Firenze - account IALMS 200414**

**IBAN - IT 77 Q 01030 02804 000000200414 BIC - PASCITM1F20**

**Make bank transfers payable to IALMS - Borgo Pinti, 57 - I - 50121 Firenze**

**FAX 0039 0552342330 - ialms@laserflorence.eu -**

**Or: I wish to pay by Type of credit card : (MASTERCARD,VISA; AMEX NOT ACCEPTED):**

**Card Number:** \_\_\_\_\_ **Expiration Date** \_\_\_\_\_

**Security Code**

**Cardholder's Signature and name on the card**