

# IALMS NEWSLETTER

## December 2011

### Contents

Report On Laser Florence 2011.....	1
Report on the IALMS Assembly, Florence, Nov. 5 <sup>th</sup> , 2011.....	11
Next Meeting : Laser Florence 2011, November 9 <sup>th</sup> – 10 <sup>th</sup> .....	12
Networks Generated By Laser Florence Conferences.....	16
IALMS Reservation form for membership.....	

### Report On Laser Florence 2011

As each year, Laser Florence 2011 had good success and new data were presented to scientific community, suitable of prompt transfer in clinical practice. You can read below final program of our annual congress

PLENARY LECTURES		
Room A - November 4 <sup>th</sup> , 2011		Chairmen: I. Kaplan, M.L. Pascu, J. Vaitkus
09:00	LASER MEDICINE AND SURGERY TODAY	<b>Isaac Kaplan, MD</b> Professor Emeritus, Tel Aviv University
09:30	REGENERATIVE PHOTONIC THERAPY: REVIEW	<b>Natasha Salansky and Norman Salansky</b> Millennium Health Institute, Ontario, Canada
10:00	WHICH LASER THERAPY COULD BE CALLED "QUANTUM MEDICINE" ? A PHYSICIST'S VIEW	<b>Hans A. Romberg, MD</b> Hans Romberg Medizintechnik, Heidelberg, Germany
10:30	LASER RADIATION INTERACTION WITH FLUOROPHORES IN MICRO-/NANO-DROPLETS OF SOLUTIONS	<b>M. L. Pascu, I. R. Andrei, V. Nastasa, M. Boni, G. V. Popescu</b> National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania
11:00	PHOTODIAGNOSIS IN PERSONALIZED MEDICINE	<b>A. Vaitkuviene, MD, PhD , Juozas V. Vaitkus, Prof.Dr.Sc,</b> Vilnius University, Lithuania

LASER BIOMODULATION - 1		
Room A - November 4 <sup>th</sup> , 2011		Chairmen: M. Herold, R. Lubart, L. Navratil
11 :45	THE USE OF VISIBLE LIGHT AND METAL OXIDES NANO PARTICLES FOR PATHOGENS INACTIVATION	<b>R. Lubart, A. Gedanken and A. Lipovski</b> Departments of Chemistry and Physics, Bar-Ilan University
12 :00	LASER PHOTOSTIMULATION OF WOUND HEALING IN DIABETIC MICE IS NOT CAUSED BY DIABETES-MODIFYING	<b>Philip V. Peplow PhD<sup>a</sup>, Tzu-Yun Chung<sup>a</sup>, G. David Baxter DPhil<sup>b</sup></b> <sup>a</sup> Department of Anatomy & Structural Biology, and <sup>b</sup> Centre

# IALMS NEWSLETTER

## December 2011

	EFFECTS OF LASER LIGHT	for Physiotherapy Research, School of Physiotherapy, Univ. of Otago, Dunedin, New Zealand
12 :15	FIRST EXPERIENCE WITH COMBINED TREATMENT OF TEMPOROMANDIBULAR JOINT WITH USE OF LLLT	<b>L. Navratil, P. Hlinakova, T. Dostalova, V. Navratil, S. Hajkova</b> Czech Technical University in Prague, Faculty of Biomedical Engineering Biomedical and Clinical Technology, Kladno
12 :30	EVALUATION OF LED PHOTOBIMODULATION ON WOUND HEALING IN HYPOTHYROID AND EUTHYROID RATS	<b>GM Paraguassú<sup>a</sup>, FCA Xavier<sup>b</sup>, TT Rodriguez<sup>c</sup>, MJP Ramalho<sup>c</sup>, ALB Pinheiro<sup>a,d,e</sup>, LMP Ramalho<sup>a,b</sup>.</b> <sup>a</sup> Center of Biophotonics, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>b</sup> Laboratory of Surgical Pathology, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>c</sup> Department of Physiology, Instituto de Ciências da Saúde, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>d</sup> University of Camilo Castelo Branco, São José dos Campos, São Paulo, Brazil; <sup>e</sup> National Institute of Optics and Photonics, Physics Institute, São Carlos, São Paulo, Brazil.
12 :45	POSSIBLE IMPLICATIONS OF «BALANCE-THERAPY»: PROLIFERATION OF NORMAL AND TUMOR CELLS IN THE PRESENCE OF SERUM OF PATIENTS WITH BREAST CARCINOMA AFTER PHOTOTHERAPY WITH VISIBLE AND NEAR INFRARED LIGHT	<b>A.A.Zimin<sup>1</sup>, N.A.Zhevago<sup>2</sup>, K.A.Samoilova<sup>2</sup></b> 1.Russian Research Center of Radiology and Surgical Technologies, St. Petersburg, 2.Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia
13 :00	PREVENTION OF POSTRADIATION DAMAGES IN PATIENTS WITH PROSTATIC CANCER WITH LOW POWER PHOTOTHERAPY AND THEIR SURVIVAL ANALYSIS FROM THE POINT OF VIEW OF «BALANCE-THERAPY»	<b>A.A.Zimin<sup>1</sup>, G.M.Zharinov<sup>1</sup>, K.A.Samoilova<sup>2</sup>, N.Yu.Neklasova<sup>1</sup>, L.A. Volodina<sup>1</sup></b> 1. Russian Research Center of Radiology and Surgical Technologies, St. Petersburg, Russia. 2. Institute of Cytology, Russian Academy of Sciences, St. Petersburg, Russia.

### LASER BIOMODULATION - 2

Room A - November 4<sup>th</sup>, 2011

Chairmen: G.D. Baxter, R. Chow, N. Salanski

15 :00	EVALUATION OF LASER PHOTOBIMODULATION ON HEALING OF BONE DEFECTS GRAFTED WITH BOVINE BONE IN DIABETIC RATS	<b>GM Paraguassú<sup>a</sup>, MDMC Lino<sup>a</sup>, FB Carvalho<sup>a</sup>, MC Cangussu<sup>b</sup>, ALB Pinheiro<sup>a,d,e</sup>, LMP Ramalho<sup>a,c</sup>.</b> <sup>a</sup> Center of Biophotonics, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil <sup>b</sup> Oral Epidemiology and Public Health, School of Dentistry, Federal Univ. of Bahia, Salvador, BA, Brazil <sup>c</sup> Laboratory of Surgical Pathology, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil <sup>d</sup> Univ. of Camilo Castelo Branco, São José dos Campos, São Paulo, Brazil <sup>e</sup> National Inst. of Optics and Photonics, Phys. Inst, S. Carlos, São Paulo, Brazil
15 :15	PROFILING OF GENES CENTRAL TO WOUND HEALING FOLLOWING LOW INTENSITY LASER IRRADIATION	<b>N. Houreld, H Abrahamse</b> Laser Research Centre, University of Johannesburg
15 :30	IS THERE REALLY A THRESHOLD OBSERVED IN LLLT? IS THERE A	<b>Hans A. Romberg,</b> Dr. Hans Romberg Medizintechnik, Schillerstr. 44, D 76297

# IALMS NEWSLETTER

## December 2011

	THRESHOLD BASED ON PHYSICAL PROPERTIES?	Stutensee, Germany; and I3M, Unter der Schanz 2,D 69117 Heidelberg, Germany
15 :45	THE EFFECTS OF LASER ON NERVES	<b>R. Chow, MB, PhD</b> Nerve Research Foundation Brain and Mind Research Institute The University of Sydney
16 :00	DIABETIC DISTAL SYMMETRIC POLYNEUROPATHY: EFFECT OF LOW INTENSITY LASER THERAPY	<b>Khamseh M., MD<sup>1</sup>, Kazemikho N., MD. Ph.D.St.<sup>2</sup>, Aghili R. MD<sup>1</sup>, Forough B. MD<sup>3</sup>, Lajevardi M.<sup>4</sup>, Dabbaghian F.H., MD<sup>5</sup> Gooshegir A., MD<sup>5</sup>, Malek M., MD<sup>6</sup></b> 1- Institute of Metabolism and Endocrinology, University of Medical Science, Tehran, Iran. 2- Dept of Genetic, Medical Faculty, Tehran University. 3- Dept of Physical Medicine and Rehabilitation, Firoozgar hospital, Tehran Univ. of Medical Sciences, Tehran, Iran 4- Department of Laser, Milad Hospital, Tehran, Iran 5- Res. Inst. for Islamic and Complementary Medicine. Iran Univ 6- Mojtaba Malek: Institute of Metabolism and Endocrinology, Univ. of Medical Science, Tehran, Iran.
16 :15	A SIMPLE MODEL FOR THE BIPHASIC DOSE-EFFECT RELATION OBSERVED IN LLLT	<b>Hans A. Romberg, M.D.</b> Dr. Hans Romberg Medizintechnik, Schillerstr. 44, D 76297 Stutensee, Germany; and I3M, Unter der Schanz 2, D 69117 Heidelberg, Germany
16 :45	INDUCTION OF AUTOLOGOUS BONE MARROW STEM CELLS BY LOW ENERGY LASER THERAPY HAS BENEFICIAL EFFECTS ON KIDNEY POST ISCHEMIA-REPERFUSION INJURY IN THE RAT	<b>Hana Tuby, Lidya Maltz, and Uri Oron</b> Department of Zoology, The George S. Wise Faculty of Life Sciences, Tel-Aviv University, Tel-Aviv, 69978, Israel
17 :00	PAIN CONTROL WITH LLL-THERAPY	<b>Herold Manfred, MD</b> Ao. Univ.-Prof. DDr. Medizinische Universität Innsbruck Universitätsklinik für Innere Medizin Rheumaambulanz & Rheumalabor Anichstrasse 35, Innsbruck
17:15	NON SURGICAL LASER IN REGENERATIVE MEDICINE: THERAPY OF TRAUMATIC CENTRAL NERVOUS SYSTEM INJURIES	<b>L. Longo, MD</b> Siena University, Institute Laser Medicine, Firenze

### 17:30 - ROUND TABLE WITH SCI PATIENTS

TRENDS IN BASIC AND APPLIED RESEARCH IN LASER BIOMEDICINE		
Room B – November 4 <sup>th</sup> , 2011		Chairmen: A. Hofstetter, H. Jelinkova, A. Vaitkuviene
15:00	COMBINED APPLICATION OF PHOTOFRIN 2 AND IONIZING RADIATION IN AN IN VITRO AND IN VIVO EXPERIMENTS	<b>A.Hofstetter<sup>1</sup>, MD, PHD, M. Schaffer<sup>2</sup>, M.D</b> <sup>1</sup> Munich University, Germany <sup>2</sup> Sefad Med. Center, Bar Ilan University, Israel
15:15	LASER MONITORING OF RESPIRATION ACTIVITY IN PRETERM INFANTS: MONITORING OF PECULIAR EVENTS.	<b>L. Scalise, Eng., Paolo Marchionni, Ilaria Ercoli, Enrico Primo Tomasini</b> Dipartimento di Ingegneria Industriale e Scienze Matematiche, Università Politecnica delle Marche - Ancona University, Italy

# IALMS NEWSLETTER

## December 2011

<b>15:30</b>	THE MULTISPECTRAL VISUALIZATION OF GLIAL BRAIN TUMORS CONTAINING PPIX IN DIFFUSE AND LASER-INDUCED FLUORESCENT LIGHT	<b>Tatiana Savelieva Vavilova , M.V. Loschenov, K.G. Linkov</b> Prokhorov General Physics Institute of the Russian Academy of Sciences (GPI RAS)
<b>15:45</b>	ASSESSMENT OF FLUORESCENCE SPECTRA OF DRIED SALINE USED TO UTERINE HYDROSONOGRAPHY	<b>V. Gegzna<sup>1,2</sup>, P. Sladkevicius<sup>3</sup>, A. Vaitkuviene<sup>1</sup>, J.Vaitkus<sup>1</sup></b> <sup>1</sup> Institute of Applied Research, Vilnius University, Vilnius, Lithuania; <sup>2</sup> Faculty of Natural Sciences, Vilnius University, Vilnius, Lithuania; <sup>3</sup> Dept of Obstetrics and Gynecology, Skanes University Hospital, Malmo, Sweden
<b>16:00</b>	PHENOTHIAZINES MOLECULAR MODIFICATIONS AT INTERACTION WITH LASER BEAMS	<b>M.L. Pascu<sup>1*</sup>, A.Smarandache<sup>1</sup>, J.Kristiansen<sup>2</sup>, A.Militaru<sup>1</sup>, V. Nastasa<sup>1</sup>, L. Amaral<sup>3</sup></b> <sup>1</sup> National Inst for Laser, Plasma & Radiation Phys, Magurele, Romania <sup>2</sup> Unit of Mycobacteriology and UPMM, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa, Lisbon, Portugal <sup>3</sup> Department of Clinical Microbiology, Sønderborg Sygehus, Denmark
<b>16:15</b>	LASER SOLIDIFICATION OF INJECTABLE SCAFFOLDS.	<b>Evgeny Antonov, V.N.Bagratashvili, I.A.Borschenko, B.N.Khlebtsov, N.G.Khlebtsov, S.A.Minaeva, V.K.Popov, A.V.Popova</b> Inst. of Laser and Information Tech., Russian Acad. of Sciences, Troitsk
<b>16:30</b>	EXPANSIVE PROMOTION OF SCIENTIFIC RESEARCH	<b>V. Navratil, L. Navratil</b> Czech Technical University in Prague, Faculty of Biomedical Engineering, Dept of Medical and Humanities. Kladno, Czech Republic,
<b>16:45</b>	MINIMIZING RISK AND ENSURING QUALITY THROUGH COMPLIANCE WITH INTERNATIONAL SAFETY STANDARDS	<b>Penny J. Smalley, R.N., CMLSO</b> Technology Concepts International Chicago, Illinois, USA

### 19:15 OPEN CEREMONY WITH WELCOME COCKTAIL AND LEADING LECTURES

- *Laser Medicine and Surgery: state of the art* I. Kaplan, MD. PhD, Prof. Emeritus, Tel Aviv Univ.

- *The Beauty in 3<sup>rd</sup> Millennium : light and dark* A. Bovero, PhD, President CIDESCO – Italy Section

**Provincia di Firenze, Palazzo Medici-Riccardi, Sala Luca Giordano, Via Cavour, 1 - Firenze**

### LASER DENTISTRY - 1

Room A – 5<sup>th</sup> November, 2011

Chairmen: C. Fornaini, G. Lynn-Powell, A. L. B. Pinheiro

<b>9:00</b>	SURGICAL TREATMENT OF ORAL LESIONS WITH THE CARBON DIOXIDE LASER	<b>Antonio Pinheiro, Gilberth Tadeu dos Santos Aciole , Joubert Mateus dos Santos Aciole, Luiz Guilherme Pinheiro Soares, Nicole Ribeiro Silva Santos, Jean Nunes dos Santos</b> Center of Biophotonics, School of Dentistry, Federal Univ Bahia
<b>9:15</b>	TM: YAP MICROCHIP LASER FOR DEBONDING CERAMIC ORTHODONTIC BRACKETS - BOND STRENGTHS MEASUREMENT	<b>Tatjana Dostalova, Helena Jelinkova, Jan Sulc, Petr Koranda, Michal Nemec</b> Charles University, 2nd Medical Faculty, Prague, Czech Republic; CVUT FJFI, Prague, Czech Republic; Sendai National College of Technology, Sendai, Japan

# IALMS NEWSLETTER

## December 2011

9:30	COMPARED ANALYSIS OF THE SHADE, TEMPERATURE AND HP CONCENTRATION DURING DENTAL BLEACHING BY USING TWO DIFFERENT WAVELENGTHS: A PRELIMINARY IN VITRO STUDY WITH KTP AND DIODE LASER	<b>Fornaini C, Lagori G, Merigo E, Meleti M, Manfredi E, Vescovi P</b> European Master Degree in Oral Laser Applications, Dental School, Faculty of Medicine, University of Parma (Italy)
9 :45	915 AND 1064 NM COMBINED DIODE LASER IN ORAL SOFT TISSUES SURGERY: IN VITRO AND CLINICAL STUDY	<b>Fornaini C, Rocca JP</b> Faculty of Dentistry, University of Nice-Sophia Antipolis (France)
10 :00	LASERS IN ORAL SOFT TISSUE SURGERY: WHICH WAVELENGTH TO CHOOSE?	<b>Seif B<sup>1</sup>, Augros C<sup>2</sup>, Raybaud H<sup>3</sup>, Fornaini C<sup>2</sup>, Rocca JP<sup>2,3</sup></b> <sup>1</sup> European Master Degree Oral Laser Application-Univ. of Nice Sophia Antipolis-France, <sup>2</sup> TELEO laboratory, Univ. of Nice Sophia Antipolis, France <sup>3</sup> St Roch Univ. Hosp. Nice, France.
10 :15	EFFICACY OF ER,CR:YSGG RADIAL FIRING TIPS ON THE LASER ASSISTED ENDODONTIC TREATMENT - BLIND RANDOMIZED CLINICAL TRIAL	<b>M.Martins, M. Carvalho(1), J. Capelas(1), I. Vaz(1), M. A. Martins (2), N. Gutknecht (3)</b> (1) Faculdade de Medicina Dentária, Oporto University; (2) UCP-CRB University; (3) RWTH Academy, Aachen University
<b>LASER DENTISTRY and ENT - 2</b>		
<b>Room A – 5<sup>th</sup> November, 2011</b>		<b>Chairmen: C. Fornaini, T. Dostalova, B. Palmieri</b>
10 :45	OSTEONECROSIS OF THE JAWS AND BISPHOSPHONATES: LASER TREATMENT AND LONG TERM FOLLOW-UP IN 180 PATIENTS	<b>Paolo Vescovi<sup>1</sup>, Elisabetta Merigo<sup>1*</sup>, Maddalena Manfredi<sup>1</sup>, Marco Meleti<sup>1</sup>, Carlo Fornaini<sup>1</sup>, Rebecca Guidotti<sup>1</sup>, Amin Sarraj<sup>1</sup>, Giovanni Mergoni<sup>1</sup>, Jean-Paul Rocca<sup>2</sup>, Samir Nammour<sup>3</sup></b> <sup>1</sup> Master Europeo “Laser in Odontostomatologia” – European Master Degree in Oral Laser Applications EMDOLA – Università di Parma (Direttore: Prof. Paolo Vescovi) <sup>2</sup> Univ. of Nice-Sophia Antipolis (France), Dentistry Fac., Teleo Lab. <sup>3</sup> EMDOLA (European Master Degree on Oral Laser Applications ) General Coordinator
11 :00	LLLT WITH ND:YAG LASER IN DENTAL EXTRACTIONS IN RATS UNDER ZOLEDRONIC ACID AND DEXAMETHASONE ADMINISTRATION. PILOT STUDY.	<b>Vescovi P<sup>1</sup>, Merigo E<sup>1*</sup>, Corradi D<sup>2</sup>, Maestri R<sup>2</sup>, Manfredi M<sup>1</sup>, Meleti M<sup>1</sup>, Fornaini C<sup>1</sup>, Nammour S<sup>3</sup></b> 1. Master Europeo “Laser in Odontostomatologia” – European Master Degree in Oral Laser Applications EMDOLA – (Direttore: Prof. P. Vescovi) – Univ. di Parma - Parma, I 2. Dipartimento di Patologia e Medicina di Laboratorio - Sezione di Anatomia patologica - Università di Parma, Parma, Italy. 3. EMDOLA (European Master Degree on Oral Laser Applications ) General Coordinator
11 :30	LASER AND SPECIAL CARE DENTISTRY: A NEW PERSPECTIVE	<b>A. Oppici<sup>1</sup>, F. Clini<sup>1</sup>, C. Fornaini<sup>1</sup>, M. Fontana<sup>1</sup>, L. Cella, E. Merigo<sup>1</sup></b> <sup>1</sup> U.O.S. Odontostomatology and Maxillo-facial Surgery Unit “Special cares and Special Projects” - Guglielmo da Saliceto”Hospital – Piacenza - Italia
11 :45	LASER IN DENTISTRY. BIOSTIMULATION AND SURGERY	<b>F. Barzè<sup>1</sup>, B. Palmieri<sup>2</sup>, L. Scalise<sup>2</sup>, V. Rottigni<sup>2</sup></b> <sup>1</sup> Professional man, Italy <sup>2</sup> Dept of General Surgery and Surgical Specialties, Univ. of Modena and Reggio Emilia Med School, Surgical Clinic, Modena, Italy. <sup>3</sup> Dipartimento di Ingegneria Industriale e Scienze Matematiche, Università Politecnica delle Marche - Ancona University, Italy

# IALMS NEWSLETTER

## December 2011

12 :00	PRELIMINARY STUDY ON RADIO-CHEMIO-INDUCED ORAL MUCOSITIS AND LOW LEVEL LASER THERAPY	<b>Matteo Fontana<sup>1*</sup>, Elisabetta Merigo<sup>1,2</sup>, Carlo Fornaini<sup>2</sup>, Fabio Clini<sup>1</sup>, Luigi Cella<sup>1</sup>, Paolo Vescovi<sup>2</sup>, Aldo Oppici<sup>1</sup></b> 1. U.O.S.D. di Odontostomatologia e Chirurgia Maxillo-Facciale – Ospedale “Guglielmo da Saliceto” – Piacenza – Italia 2. Master Europeo “Laser in Odontostomatologia” – European Master Degree in Oral Laser Applications EMDOLA – Università di Parma (Direttore: Prof. Paolo Vescovi) – Univ. di Parma –Italia
12 :15	Nd:YAG LASER BLOODLESS TONSILLECTOMY BY FIBEROPTIC DOPPLER COUPLED HANDPIECE BEAM DELIVERY	<b>B. Palmieri<sup>1</sup>, V. Rottigni<sup>1</sup></b> <sup>1</sup> Dept of General Surg. and Surgical Specialties, Univ. of Modena and Reggio Emilia Medical School, Surgical Clinic, Modena, Italy.
12 :30	LASER UVULOPALATOPHARYNGEOPLASTY VERSUS LASER PARTIAL MUCOSAL PALATAL EXCISION AS SURGICAL TREATMENT OF SIMPLE AND OBSTRUCTIVE SNORING	<b>Khaled Mohamed Bofares,</b> Associate Professor Otorhinolaryngology Department Omar Almoukhtar University, Elbyda, Libya
12 :45	DIFFERENT VARIETIES OF LASER SURGICAL PROCEDURES FOR MANAGEMENT OF SNORING PATIENTS WITH UVULAR ABNORMALITIES	<b>Khaled Mohamed Bofares,</b> Associate Professor Otorhinolaryngology Department Omar Almoukhtar University, Elbyda, Libya
13 :00	MILESTONES IN THE EVOLUTION OF ENDOSCOPY: A SHORT HISTORY WITH SPECIAL EMPHASIS ON SIALOENDOSCOPY	<b>Oded Nahlieli DMD<sup>1</sup>, Ohad Baruchin MD<sup>2</sup>, Abe M.Baruchin MD<sup>3</sup></b> <sup>1</sup> Professor and chairman, Dept of Oral & Maxillofacial Surgery, Barzilai University Medical Center Ashkelon, Israel. <sup>2</sup> Dept of Ob/Gyn, Assaf Harofeh University Medical Center, Zerifin, Israel <sup>3</sup> Professor, Chief of the Laser Unit, University Barzilai Medical Center Ashkelon, Israel.

### LASER NEUROSURGERY

Room B - November 5<sup>th</sup>, 2010

Chairmen: J. Chiu, A. Lauto, G. Terbetas

09:00	INNOVATIVE GRID POSITIONING SYSTEM (GPS) FOR ENDOSCOPIC LASER TRANSFORAMINAL MICRODECOMPRESSIVE LUMBAR DISC SURGERY IN THE MORBID OBESE.	<b>J. Chiu, MD</b> California Spine Institute, Laser Neurospine Surgery Thousand Oaks - USA <a href="mailto:chiu@spinecenter.com">chiu@spinecenter.com</a>
09:15	LASER ENDOSCOPIC ANTERIOR CERVICAL DISCECTOMY/FORAMINOPLASTY WITH INTRAOPERATIVE NEUROPHYSIOLOGICAL MONITORING (IOM)	<b>J. Chiu, MD, PhD</b> California Spine Institute, Laser Neurospine Surgery, Thousand Oaks, USA
09:30	LASER MINIMALLY INVASIVE SPINE SURGERY (MISS): A SURGEON'S PERSPECTIVE ON TECHNOLOGICAL CONVERGENCE AND DIGITAL OR CONTROL SYSTEM	<b>J. Chiu, MD</b> California Spine Institute, Laser Neurospine Surgery Thousand Oaks - USA
09:45	LASER THORACIC ENDOSCOPIC MICRODISCECTOMY WITH GPS SYSTEM	<b>J. Chiu, MD, PhD</b> California Spine Inst, Laser Neurospine Surg, Thousand Oaks, USA
10:00	SACROILIAC JOINT PAIN SYNDROME: ANATOMY DIAGNOSIS AND TREATMENT – SURGICAL LASER THERMONEURECTOMY	<b>J. Chiu, MD</b> California Spine Institute, Laser Neurospine Surgery – Thousand Oaks - USA



# IALMS NEWSLETTER

## December 2011

10:15	PERCUTANEOUS LASER LUMBAR INTERVERTEBRAL DISC-DECOMPRESSION	<b>Gunaras Terbetas, A. Vaitkuviene</b> Clinics of Neurology and Neurosurgery, Vilnius University Hospital, Lithuania
10 :30	FABRICATION OF ADHESIVE BIOGLASS/POLYESTER SCAFFOLDS FOR SPINAL DISK DEFECTS	<b><sup>1</sup>A. Lauto, <sup>1</sup>M. Mnatsakanyan, <sup>1</sup>S. Piller, <sup>2</sup>D. Mawad, <sup>3</sup>L. Longo, <sup>4</sup>P. Boughton</b> <sup>1</sup> University of Western Sydney, <sup>2</sup> University of Wollongong, <sup>3</sup> University of Siena, <sup>4</sup> University of New South Wales

November 5<sup>th</sup>, 2011

### 13:15 - TALK POSTER SESSION

Chairmen: **J. Abtibol, M. Postiglione, P. Smalley**

<b>1</b>	INTERFERENTIAL LASER THERAPY IN THE RELIEF OF PAIN IN THE CARPAL TUNNEL SYNDROME. A PILOT STUDY	<b>Ramon Montes-Molina, Maria Elena Martinez-Rodriguez, Almudena Prieto-Baquero, Blanca Palomino-Aguado, Susana Lopez-Serrano, Ignacio Regidor-Bailly-Bailliere, Berta Collantes-Panero, Rosa Aliaga-Casto, Maria Jesus Gutierrez-Garcia, Fidel Martinez-Ruiz</b> Hosp. Univ Ramón y Cajal.IRYCIS.Unit of Clinical Electrotherapy, Department of Physical Medicine and Rehabilitation. Department of Neurology. Unit of Occupational Therapy. Department Orthopaedic Surgery, Madrid, Spain
<b>2</b>	GaAlAs LASER DIODE LASER - TEMPOROMANDIBULAR JOINT REHABILITATION	<b>P. Hlinakova, T. Dostalova, V. Navratil, E. Blazkova, L. Navratil</b> Charles University 2 <sup>nd</sup> Medical Faculty, Department of Paediatric Stomatology, Prague, Czech Republic; Charles University 1 <sup>st</sup> Faculty of Medicine, Institute of Biophysics and Informatics, Prague, Czech Republic; CVUT – Faculty of Biomedical Engineering, Kladno, Czech Republic; THERAP-THILIA, Department of Physiotherapy, Prague, Czech Republic
<b>3</b>	EVALUATION OF LASER PHOTOBIO-MODULATION ON HEALING OF BONE DEFECTS GRAFTED WITH BOVINE BONE IN DIABETIC RATS	<b>GM Paraguassú, MDMC Lino, FB Carvalho, MC Cangussu, ALB Pinheiro, LMP Ramalho</b> School of Dentistry, Federal Univ. of Bahia, Faculdade de Odontologia, Centro de laser- Salvador Bahia
<b>4</b>	ASSESSMENT OF THE EFFECTS OF LASER OR LED PHOTOBIO-MODULATION ON HYPOTHYROID RATS OF CUTANEOUS WOUND HEALING: A MORPHOMETRIC STUDY	<b>De Castro, I.C.V.; Paraguassú, G.M.; Reis Júnior, J.A;Xavier, F.C.A;Rodriguez, T.T;Ramalho, M.J.P;Pinheiro, A.L.B;Ramalho, L.M.P</b> Federal University of Bahia, Faculdade de Odontologia, Salvador, Brazil
<b>5</b>	HEMANGIOMA TREATMENT EFFECT OF PDL, ALEXANDRITE, ER: YAG AND CO2 LASERS	<b>Eva Remlova<sup>1</sup>, Tatjana Dostalova<sup>2</sup>, Helena Jelinkova<sup>3</sup>, Jana Vranova<sup>3</sup>, Leos Navratil<sup>4</sup>, Jozef Rosina<sup>4</sup></b> <sup>1</sup> AVE LASER CENTRUM, Olomouc, Czech Republic; <sup>2</sup> Charles University, 2nd Medical Faculty, Department of Paediatric Stomatology, Prague; <sup>3</sup> Czech Technical University in Prague, Faculty of Nuclear Sciences and Physical Engineering, Prague; <sup>4</sup> Czech Technical University in Prague, Faculty of Biomedical Engineering, Kladno, Czech Republic
<b>6</b>	RAMAN IMAGING FOR THE IDENTIFICATION OF BREAST CANCER CELLS	<b>J.L.Gonzales<sup>1</sup>, G. H. Luévano-Colmenero<sup>2</sup>, J. Vargas-Mancilla<sup>2</sup>, I. A. Arana-Zamora<sup>2</sup>, J. C. Martínez-Espinosa<sup>2</sup></b> <sup>1</sup> Centro Universitario de los Lagos, Universidad de Guadalajara <sup>2</sup> Instituto Mexicano del Seguro Social
<b>7</b>	LASERTHERAPY IN POSTPARTUM VAGINAL ATROPHY	<b>Daniela Brinzan, Lucian Paiusan</b> Hospital of Obstetrics and Gynecology Arad, Romania
<b>8</b>	LOW LEVEL LASER IRRADIATION	<b>Julia Efremova, Vaclav Navratil</b>

# IALMS NEWSLETTER

## December 2011

	AND CYTOKINES: REVIEW STUDY	Czech Technical University in Prague, Faculty of Biomedical Engineering Biomedical and Clinical Technology
9	HAIR INDUCTION AFTER HAIR REMOVAL WITH IPL DEVICE IN MALE PATIENTS: A RETROSPECTIVE EVALUATION	<b>Vania Lukina, MD</b> Al Manqaf Kuwait
10	ANTIMICROBIAL PHOTODYNAMIC THERAPY IN CHRONIC OSTEOMYELITIS INDUCED BY STAPHYLOCOCCUS AUREUS: AN IN VITRO AND IN VIVO STUDY	<b>J.A. Reis Júnior, P.N. Assis, G.M. Paraguassú, I.C.V. DeCastro, R.F. Trindade, A.M.C Marques, P.F. Almeida , A.L.B. Pinheiro</b> Odontologia UFBA, Bahia Salvador, Brazil

### LASER SKIN MEDICINE AND SURGERY

Room A – November 5<sup>th</sup>, 2011

Chairmen: K. Khatri, L. Longo, K. Russe- Wilflingseder

14:45	PLACEBO CONTROLLED, PROSPECTIVELY RANDOMIZED, DOUBLE-BLINDED STUDY FOR THE INVESTIGATION OF THE EFFECTIVENESS AND SAFETY OF THE ACOUSTIC WAVE THERAPY (AWT®) FOR THE CELLULITE TREATMENT	<b>Katharina Russe-Wilflingseder<sup>1</sup>, Elisabeth Russe<sup>1</sup>, Monika Drmic<sup>1</sup>, Johannes C. Vester<sup>2</sup>, Gerd Haller<sup>3</sup>, Pavel Novak<sup>3</sup>, Alexander Krotz<sup>3</sup></b> 1 Plastische Chirurgie und Laserzentrum, Innsbruck, Austria, 2 idv, Gauting, Germany 3 Storz Medical, Tägerwilen, Switzerland
15:00	A NEW MINIMAL INVASIVE LASER-ASSISTED TECHNOLOGY TO TREAT SKIN LAXITY, FAT AND CELLULITE	<b>Katharina Russe-Wilflingseder, Manfred Herold, Elisabeth Russe</b> Plastische Chirurgie und Laserzentrum Innsbruck, Austria
15:15	SYRINGE-ASSISTED NECK LIPOSUCTION ALONE AND IN COMBINATION WITH LOW INTENSITY LASER LIPOLYSIS FOR SKIN TIGHTENING	<b>Misbah Khan<sup>1</sup> MD, Tiffany Turner<sup>2</sup> RN, Murad Alam<sup>2</sup> MD</b> <sup>1</sup> Weill Cornell Medical College, New York, USA <sup>2</sup> Northwestern University, New York, USA
15:30	LASER TX OF SCARS /AN OVERVIEW AND PRESENT STATUS / DIFFERENT TX OPTIONS WHAT TO DO WHEN /PROS AND CONS	<b>Katharina Russe-Wilflingseder, Elisabeth Russe</b> Plastische Chirurgie und Laserzentrum, Innsbruck, Austria
15:45	LASER SCAR REVISION	<b>Khalil A. Khatri, M.D.</b> New England Institute of Laser Research Skin & Laser Surgery Center of New England - Boston, USA
16:00	FRAXELATED RADIOFREQUENCY DEVICE FOR ACNE SCARS	<b>Babar K. Rao<sup>1</sup>, MD, Sairah Khokher<sup>2</sup>, MD</b> <sup>1</sup> Associate Professor and Chair at Department of Dermatology, Robert Wood Johnson Medical School. <sup>2</sup> Fellow at Dept of Dermatology, R. Wood Johnson Med. School
16:15	THE COMBINED SURGICAL AND LASER TREATMENT OF THE GIANT PORT-WINE STAIN MALFORMATION – CASE REPORT	<b>P. Drozdowski, MD, Siewiera Ireneusz, M.D., PhD, Wójcicki Piotr, M.D., PhD.</b> Dept of Plastic and Reconstructive Surgery in Polanica Zdrój, Wrocław Medical University
16:45	LONG TERM EVALUATION OF PDL LASER IN DERMATOLOGY	<b>Eva Remlova<sup>1</sup>, Tatjana Dostalová<sup>2</sup>, Helena Jelínková<sup>3</sup>, Jana Vránová<sup>3</sup>, Leoš Navrátil<sup>4</sup>, Josef Rosina<sup>4</sup></b> <sup>1</sup> AVE LASER CENTRUM, Olomouc, Czech Republic; <sup>2</sup> Charles Univ, <sup>2nd</sup> Medical Faculty, Department of Paediatric Stomatology, Prague, Czech Republic; <sup>3</sup> Czech Technical Univ. in Prague, Faculty of Nuclear



# IALMS NEWSLETTER

## December 2011

		Sciences and Physical Engineering, Prague; <sup>4</sup> Czech Technical Univ. in Prague, Faculty of Biomedical Engineering, Kladno, Czech Rep.
17:00	MELASMA: A COMMON PROBLEM IN SOUTH EAST ASIA	<b>Naqiba Munshi, MD</b> Elements MediSpa , Karachi, Pakistan - naqibamunshi@hotmail.com
17:15	LASER TREATMENT OF PATIENTS WITH DARKER SKIN: SPECIAL CONSIDERATIONS	<b>Khalil A. Khatri, MD</b> <i>New England Institute of Laser Research, Skin &amp; Laser Surgery Center of New England - Boston, USA</i>
17:30	TREATMENT OF 638 JAPANESE FEMALE INFERTILITY PATIENTS WITH GAALAS DIODE LASER	<b>Toshio Ohshiro, Yuki Taniguchi, Takafumi Ohshiro, Katsumi Sasaki</b> Ohshiro Clinic, Japan Medical Laser Laboratory, Plastic and Reconstructive Surgery - Tokyo, Japan
17:30	<b>IALMS and IPTA GENERAL ASSEMBLY</b>	

**21:00 - Ristorante “ La Terrazza” of Grand Hotel Baglioni– Firenze**

**GALA DINNER WITH MUSIC, CLOSURE CEREMONY and**

**AWARDS ASSIGNATION for best lectures and posters, offered by the IALMS**

**The Kiwanis Club Firenze  
and  
The Lions Club Firenze Stibbert  
offered two grants**

Awards were assigned to:

EVALUATION OF LED PHOTOBIMODULATION ON WOUND HEALING IN HYPOTHYROID AND EUTHYROID RATS  <b>Grant offered by the Lions Club Firenze Stibbert</b>	<b>GM Paraguassú<sup>a</sup>, FCA Xavier<sup>b</sup>, TT Rodriguez<sup>c</sup>, MJP Ramalho<sup>c</sup>, ALB Pinheiro<sup>a,d,e</sup>, LMP Ramalho<sup>a,b</sup>.</b> <sup>a</sup> Center of Biophotonics, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>b</sup> Laboratory of Surgical Pathology, School of Dentistry, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>c</sup> Department of Physiology, Instituto de Ciências da Saúde, Federal University of Bahia, Salvador, Bahia, Brazil; <sup>d</sup> University of Camilo Castelo Branco, São José dos Campos, São Paulo, Brazil; <sup>e</sup> National Institute of Optics and Photonics, Physics Institute, São Carlos, São Paulo, Brazil.
PROFILING OF GENES CENTRAL TO	<b>N. Houreld, H Abrahamse</b>

# IALMS NEWSLETTER

## December 2011

WOUND HEALING FOLLOWING LOW INTENSITY LASER IRRADIATION	Laser Research Centre, University of Johannesburg
THE MULTISPECTRAL VISUALIZATION OF GLIAL BRAIN TUMORS CONTAINING PPIX IN DIFFUSE AND LASER-INDUCED FLUORESCENT LIGHT	<b>Tatiana Savelieva Vavilova , M.V. Loschenov, K.G. Linkov</b> Prokhorov General Physics Institute of the Russian Academy of Sciences (GPI RAS)
ANTIMICROBIAL PHOTODYNAMIC THERAPY IN CHRONIC OSTEOMYELITIS INDUCED BY STAPHYLOCOCCUS AUREUS: AN IN VITRO AND IN VIVO STUDY	<b>J.A. Reis Júnior, P.N. Assis, G.M. Paraguassú, I.C.V. DeCastro, R.F. Trindade, A.M.C Marques, P.F. Almeida , A.L.B. Pinheiro</b> <b>Odontologia UFBA, Bahia Salvador, Brazil</b>
LASERS IN ORAL SOFT TISSUE SURGERY: WHICH WAVELENGTH TO CHOOSE?	<b>Seif B<sup>1</sup>, Augros C<sup>2</sup>, Raybaud H<sup>3</sup>, Fornaini C<sup>2</sup>, Rocca JP<sup>2,3</sup></b> <sup>1</sup> European Master Degree Oral Laser Application-Univ. of Nice Sophia Antipolis-France, <sup>2</sup> TELEO laboratory, Univ. of Nice Sophia Antipolis, France <sup>3</sup> St Roch Univ. Hosp. Nice, France.
PRELIMINARY STUDY ON RADIO-CHEMIO-INDUCED ORAL MUCOSITIS AND LOW LEVEL LASER THERAPY	<b>Matteo Fontana<sup>1*</sup>, Elisabetta Merigo<sup>1-2</sup>, Carlo Fornaini<sup>2</sup>, Fabio Clini<sup>1</sup>, Luigi Cella<sup>1</sup>, Paolo Vescovi<sup>2</sup>, Aldo Oppici<sup>1</sup></b> <b>1. U.O.S.D. di Odontostomatologia e Chirurgia Maxillo-Facciale – Ospedale “Guglielmo da Saliceto” – Piacenza</b> <b>2. Master Europeo “Laser in Odontostomatologia” – European Master Degree in Oral Laser Applications EMDOLA – Università di Parma (Direttore: Prof. Paolo Vescovi) – Univ. di Parma –Italia</b>
THE COMBINED SURGICAL AND LASER TREATMENT OF THE GIANT PORT-WINE STAIN MALFORMATION – CASE REPORT	<b>P. Drozdowski, MD, Siewiera Ireneusz, M.D., PhD, Wójcicki Piotr, M.D., PhD.</b> <b>Dept of Plastic and Reconstructive Surgery in Polanica Zdrój, Wrocław Medical University</b>

**Grant offered by the Kiwanis Club Firenze**

### ORGANIZED BY

**I.A.L.M.S. - The International Academy for Laser Medicine and Surgery**

### SPONSORED BY

**I.S.L.S.M. - The International Society of Laser Surgery and Medicine**

**W.F.L.S.M.S. - The World Federation of Laser Surgery and Medicine Societies**

**I. P.T.A. - The International Photo Therapy Association**

**I.L.M. - Institute Laser Medicine Florence**

### UNDER THE HIGH PATRONAGE OF

*The President of Italian Republic*

*Italian Health Office )*

*Provincia di Firenze*

*Florence Medical Association*

*Florence Convention Bureau*

# IALMS NEWSLETTER

## December 2011

### Report on the IALMS Assembly, Florence, Nov. 5<sup>th</sup>, 2011

#### LASER Florence 2011, 4 November 2011. Executive committee meeting summary report

##### Activity proposed next year 2012

1. Link with WALT conference in Australia
2. Link with conference in Paris in 2013

##### Points raised

- A. Proposed a raise fees to 200 Euro for members and 100 Euro for founding members.
- B. LASER in medical science is our journal.

*All accepted proposals A and B.*

##### Questions and Answers

**Question:** Ask Springer to lower prices.

**Answer:** This may be asked but 80 Euro is already a special price.

**Question:** Video of this conference is available. Do you want it?

**Answer:** But some think it is costly. That is why it is not requested

**Question:** Participants to LASER florence are always the same number, never more and never less.

**Answer:** We will try to look for other organizations.

##### Courses

We can organize them but there are no participants. Usually manufacturers give courses.

##### Master in LASER

Proposed 2 years plus 1 of specialization. We have no difficulty in organizing them but there are legal aspects, different in different states.

Professor Stark from Germany, cooperation in process of contact with various associations.

In September meeting in Majorca.

In September meeting in Innsbruck on Controversies in LASER

*All accepted proposals A and B*

#### LASER Florence, 5 November 2011. Assembly meeting.

The President reports on the main items discussed yesterday in the committee meeting. With special attention to proposed Master in LASER "2years plus 1 of specialization" and underlines the legal problems connected with certification. Contacts will be made with the World Federation on this subject about further developments.

# IALMS NEWSLETTER

**December 2011**

**26<sup>th</sup> International Congress Laser Medicine & IALMS Courses  
Jointed with Congress of the International Photo Therapy Association**

## **Laser Florence 2012**

*.....TRUST AND ORDER ON LASER MEDICINE WORLD*

**FOR RESEARCHERS, PHYSICIANS, SURGEONS, BIOLOGISTS, PHYSICAL THERAPISTS, PHYSICS, ENGINEERS**



**FLORENCE, November 9<sup>th</sup> – 10<sup>th</sup> , 2012**

*Program Chairperson* L. Longo, MD

*Organizing And Scientific Committee*

J. Anders, PhD; K. Atsumi, MD; A. Baruchin, PhD; G.D. Baxter, PhD; T. Dostalova, PhD;  
C. Fornaini, DDS; S. Gonchukov, PhD; M. Herold, MD; H. Jelinkova, PhD; I. Kaplan, MD;  
*K. Khatri, MD*; R. Lubart, PhD; G. Lynn-Powell, DDS; N. Mortellaro, MD; L. Navratil, PhD;  
T. Ohshiro, MD; V. Oswal, PhD; *M.L. Pascu, PhD*; A. Pinheiro, DDS; M. Postiglione, MD;  
K. Russe, MD; J. Vaitkus, PhD; A. Vaitkuvienė, PhD; W. Waidelich, PhD

IALMS - Borgo Pinti, 57 – 50121 Firenze  
[info@laserflorence.org](mailto:info@laserflorence.org)

**Scientific (Organizing) Secretariat:**

TEL #39 0552342330

FAX #39 05539069632

<http://www.laserflorence.org>

**PROGRAM AT-A-GLANCE**

# **IALMS NEWSLETTER**

## **December 2011**

**November 9<sup>th</sup>, 2012**

- PLENARY LECTURES
- LASER BIOMODULATION 1 – SCIENTIFIC RESEARCH
- LASER BIOMODULATION 2 – CLINICAL PRACTICE
- TRENDS IN BASIC AND APPLIED RESEARCH IN LASER BIOMEDICINE
- TALK POSTER SESSION

***19:15 Open Ceremony with Welcome Cocktail and leading lecture***

**November 10<sup>th</sup>, 2012**

- LASER DENTISTRY
- LASER SURGERY
- LASER DIAGNOSIS
- LASER/LIGHT AND SKIN

***20:30 Gala Dinner, Awards Assingation, Music show and Closure Ceremony***

**ORGANIZED BY**

**I.A.L.M.S. - The International Academy for Laser Medicine and Surgery**

**SPONSORED BY**

**I.S.L.S.M. - The International Society of Laser Surgery and Medicine**

**W.F.L.S.M.S. - The World Federation of Laser Surgery and Medicine Societies**

**I. P.T.A. - The International Photo Therapy Association**

**I.L.M. - Institute Laser Medicine Florence**

**HIGH PATRONAGE REQUESTED**

*The President of Italian Republic (requested)*

*Italian Health Office (requested)*

*Florence Medical Association*

*Common of Firenze*

*Tuscany Region (requested)*

*Provincia of Firenze (requested)*

*Firenze University*

*Florence Convention Bureau*



# IALMS NEWSLETTER

## December 2011

### **CONFERENCE SCIENTIFIC BOARD** (incomplete)

- ° J.J. Anders, BiD, PhD (USA) - Anatom /Cell Biol. Dept, Uniformed Serv. Univ., Bethesda
- ° Y. Asagai, MD (Japan) – Director, Shinano Handicapped Children Hospital, Suwa
- ° K. Atsumi, MD, PhD (Japan) – Professor Emeritus, Tokyo University
- ° A. Baruchin, MD, PhD (ISR) – Plastic Surgery Dept, Ben-Gurion Univ. Beer-Sheba, Askelon
- ° G.D. Baxter, TD, BSc, DPhil, MCSP (GB) – Dean, Otago Univ.(NZ), Sch.Health Sciences
- ° A. Bovero, Sci.D.(I) – President, CIDESCO Italy, Rome
- ° T. Dostalova, MD (Czech Rep) - Charles Univ. 1<sup>st</sup> Medicine Faculty, Dept of Stomatology, Prague
- ° C. Fornaini, MD, DDS (I) – Odontostomatology Institute, Parma University
- ° S.A. Gonchukov, PhD (Russia) - Moscow State Engineering Physics Institute, Moscow, Russia
- ° M. Herold, MD, PhD (A) - Innsbruck Medical Univ., Dept of Internal Med, Innsbruck, Austria
- ° H. Jelinkova, MD, PhD (Czech Rep) - Czech Technical Univ. -Nuclear Sciences Phys.Eng, Prague
- ° I. Kaplan, MD, PhD (Israel) – Professor Emeritus, Tel Aviv University
- ° K. Khatri, MD, (USA) – Skin & Laser Center, Boston
- ° G. Lynn-Powell, DDS, PhD (USA) – Ch., Dental Educ. Sch. Med. Utah Univ., Salt Lake City
- ° R. Lubart, BiD, PhD (ISR) – Biology Dept, Bar-Ilan University, Ramat-Gan
- ° L. Navratil, MD, PhD (Czech Rep) - Univ. South Bohemia, Faculty of Health and Social Studies, Ceske Budejovice
- ° T. Ohshiro, MD, PhD (Japan) – Director, Japan Laboratory of Laser Medicine and Surgery, Tokyo
- ° G. Oskarbski, MD (I) – Rome, Correspondant of Poland Society of Aesthetic Medicine
- ° B. Palmieri, MD (I) – Surgery Dept, Modena University
- ° A. Panti, MD (I) – President, Florence Medical Association, Firenze
- ° A. Pinheiro, DDS, PhD (Brazil) – Dentistry Dept., Bahia University
- ° M.L. Pascu, PhSc, PhD (Rom) – Institute Atomic Physics; Physics Faculty, Bucharest University
- ° M. Postiglione, MD (I) - Former Director, W.H.O., Firenze
- ° K. Russe-Wilfingseder, MD (A) – Laserzentrum, Innsbruck
- ° P. Smalley, TN (USA) – Tecnology Concepts International, Chicago
- ° A. Vaitkuvienė, MD, PhD (Lithuania) – Division of Biomedical Technology. Institute Applied Research.Vilnius University
- ° J. Vaitkus, PhD (Lithuania) - President, Lithuanian Physical Society, Vilnius University

# **IALMS NEWSLETTER**

## **December 2011**

### **INVITATION**

The annual Congress of the International Academy Laser Medicine and Surgery, called ***Laser Florence 2012***, would like to establish a bit of order on laser use on human body, for diagnosis, therapy and surgery.

Today many conferences, courses workshops and congresses are proposed on this topic, but few show only science. This behavior generates fragmentation of knowledge and wrong conclusions.

AS ALWAYS, WE WOULD LIKE TO AVOID REALLY CONFLICT OF INTEREST, SO MAXIMUM FIVE MANUFACTURERS SHOULD BE SELECTED, ONLY FOR THE EXHIBITION TRADE.

NOBODY OF THEM WILL BE ACCEPTED AS CHAIR OR SPEAKER.

Advantages, limits and controversies of laser diagnosis, therapy and surgery will be discussed by pioneers and opinion leaders of this matter, together young researchers and doctors. This mix always produces new data immediately available for practical use.

A special session will be dedicated to the role of laser beams and light in Energetic Medicine, called now Quantum Medicine and Regenerative Medicine.

The International Academy ensures a high quality of the lectures and posters presented. The accepted abstracts are published in the official journal of the IALMS, *Laser in Medical Science*, published by Springer Publisher, London. The Proceedings of the Conference will be published immediately after the event, on paper and on line.

In accordance with the WFSLMS - World Federation Societies of Laser Medicine and Surgery, the IALMS is presenting an International Master on Laser Medicine and Surgery, with a duration of 1 year. Laser Florence will be the annual adjournment for the International Medical Laser Specialists.

The aim of Laser Florence organisers is particular: to establish an outstanding interaction between the delegates in a unique location and an unforgettable atmosphere where friendship, intelligence and scientific know-how are blended.

Several awards are available for the presenters of the best papers and posters and the recipients will be invited to participate in the next conference of Laser Florence.

Some grants should be offered by the IALMS and other institutions.

I hope to meet you in Laser Florence this year !

Best regards

*Leonardo Longo, M.D.*

# **IALMS NEWSLETTER**

## **December 2011**

### **NETWORKS GENERATED BY 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.

2005: Cesarean incision with laser. Photodiyalisis 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. News substances for PDT of lung cancer. Ant 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 e 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

# **IALMS NEWSLETTER**

## **December 2011**

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.

# IALMS NEWSLETTER

## December 2011

### IALMS - RESERVATION FORM FOR MEMBERSHIP

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

Address: \_\_\_\_\_ PostalCode \_\_\_\_\_ 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	Eu
<b>Founding:</b> are members who have participated in the act of foundation or who will be admitted as such, up to 2000.	<b>100</b>
<b>Honorary:</b> are nominated by Executive Committee for very high scientific and cultural merits. They do not pay fees.	<b>Nothing</b>
<b>Fellow:</b> after five years of membership, or after <i>three</i> presentations at different Academy Congresses and/or 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 prevailing at the time of admission.	<b>200</b>
<b>Scientific Societies and Associations :</b> these pay one USD for each of their member, and each Society with more than 10 members can have one representative in the Executive Committee upon application.	<b>1 for member</b>
<b>Manufacturers:</b> they can have a member in the Executive Committee; They can use the logo of the Academy subject to the approval of the Executive Committee.	<b>500</b>
<b>Student:</b> , based upon presentation of the curriculum vitae	<b>100</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:*

- By certified bank cheque or draught or international money order, in favour of the IALMS
- By direct bank transfer in favour of the IALMS (see details below)
- By credit card (fill in details below)

*With the cheque No: \_\_\_\_\_ of the Bank: \_\_\_\_\_*

*Or the copy of the cheque No: \_\_\_\_\_ of the Bank \_\_\_\_\_*

*Or: I have made a bank transfer on (date): \_\_\_\_\_ From (Name of your bank) \_\_\_\_\_*

**(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 05539069632 - ialms@laserflorence.org -*

*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**



# **IALMS NEWSLETTER**

**December 2011**