

# Head & Neck Optical Diagnostics, Otolaryngology, Dentistry/O&M (HNODS) Session Saturday, April 21, 2012

**Head and Neck Optical Diagnostics, Otolaryngology, Dentistry/O&M  
(HNODS) Session - Sun A**

**3:45 pm - 6:00 pm**

PHOTODYNAMIC THERAPY IN THE HEAD, NECK, AND UPPER AIRWAY

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|-------------------|----|--|
| 3:45 pm - 3:54 pm | 80 | <p><b>DETACHMENT OF BACTERIAL BIOFILM FROM TITANIUM SUBSTRATA BY PDT</b><br/><i>Thomas Mang, Lina Sharab, Robert Baier, University at Buffalo, Buffalo, NY, University of Kentucky, Lexington, KY</i></p>  |
| 3:55 pm - 4:04 pm |    | <p><b>QUANTITATIVE FLUORESCENCE AND REFLECTANCE SPECTROSCOPY FOR MONITORING mTHPC-PDT IN THE HEAD AND NECK</b><br/><i>B. Karakullukcu, S.C. Kanick, A.B. Aans, H.J. Sterenborg, I.B. Tan, A. Amelink, D.J. Robinson, The Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands</i></p>   |
| 4:05 pm - 4:14 pm | 81 | <p><b>PDT FOR INFECTIOUS MICROORGANISMS</b><br/><i>Thomas Mang, Nicole Luke, Lisa Hufnagel, Anthony Campagnari, University at Buffalo, Buffalo, NY</i></p>   |
| 4:15 pm - 4:24 pm |    | <p><b>PHOTODIAGNOSTICS AND PHOTODYNAMIC THERAPY FOR ACTINIC CHEILITIS</b><br/><i>C. Kurachi, A. Takahama Jr., K.B.F.C. Fontes, D.R.C. Barroso, R.S. Azevedo, Physics Institute of São Carlos, University of São Paulo Dental School at Nova Friburgo, Fluminense Federal University, São Paulo, Brazil</i></p>   |
| 4:25 pm - 4:34 pm | 82 | <p><b>LONG-TERM OUTCOMES FOLLOWING FOSCAN-PDT OF BASAL CELL CARCINOMAS</b><br/><i>Christian S. Betz, Winrich Rauschnig, Evgueni Ph. Stranadko, Mikhail V. Riabov, Valery N. Volgin, Volker Albrecht, Nikolay E. Nifantiev, Colin Hopper, Klinikum der Universität München, Munich, Germany, Biolitec Pharma Ltd., United Drug House, Dublin, Ireland, State Research Center for Laser Medicine, Russian Ministry of Public Health, Moscow, Russian Federation, Biolitec Research GmbH, Jena, Germany, UCLH NHS, London, United Kingdom</i></p> |
| 4:35 pm - 4:44 pm |    | <p><b>MATCHED COHORT COMPARISON OF SURFACE PDT AND TRANSORAL SURGERY OF EARLY STAGE ORAL CAVITY NOEPLASMA</b><br/><i>B. Karakullukcu, a. Wildeman, M.P. Copper, W.M. Klop, I. Bing Tan, The Netherlands Cancer Institute, Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands</i></p>  |

INVITED STUDENT

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|-------------------|----|---|
| 4:45 pm - 4:54 pm | 83 | <p><b>TREATMENT OF T1 AND T2 SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: EFFECTIVITY OF FOSCAN PHOTODYNAMIC THERAPY COMPARED TO SURGERY</b><br/><i>Sebastiaan A. De Visscher, Lieuwe L. Melchers, Pieter U. Dijkstra, Baris Karakullukcu, Bing Tan, Jan L. Roodenburg, Max J. Witjes, University Medical Center, Groningen, The Netherlands, Dutch Cancer institute, Amsterdam, The Netherlands</i></p> |
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**Head and Neck Optical Diagnostics, Otolaryngology, Dentistry/O&M  
(HNODS) Session Continued - Sun A**

**3:45 pm - 6:00 pm**

- 4:55 pm - 5:04 pm                      **MODELING LIGHT PROPAGATION IN TISSUE WITH CELLULAR RESOLUTION**  
*Gal Shafirstein, University of Arkansas for Medical Science, Little Rock, AR*
- 5:05 pm - 5:14 pm                      **THE CONCEPT OF MICROVASCULAR COLLAPSE IN PHOTOCHEMOTHERAPY FOR CANCER**  
*J.C. Ribeiro, M. Palumbo, F. Brodsky, N. Ahumada, J.A. Sercarz, M.B. Paiva, Federal University of São Paulo, São Paulo, Brazil, David Geffen School of Medicine, UCLA, Los Angeles, CA*

**LASER ABLATION, SURGICAL THERAPIES AND EMERGING TECHNIQUES II**

- 5:15 pm - 5:24 pm                      **84      ERBIUM LASER ASSISTED ROOT CANAL TREATMENT OPTIMIZED USING CARBONATED LIQUID**  
*Rudolf Verdaasdonk, Vladimir Lemberg, Albert van der Veen, Dmitri Boutousov, VU University Medical Center, Amsterdam, The Netherlands, Biolase Technology, Irvine, CA*
- 5:25 pm - 5:34 pm                      **85      CO<sub>2</sub> LASER REMOVAL OF GINGIVAL HYPERPLASIA DRUG INDUCED POST CARDIAC TRANSPLANTATION**  
*Cintia Carvalho, Nathali Pinto, Suely Tomimura, Maria Cristina Chavantes, University of São Paulo, São Paulo, Brazil*
- 5:35 pm - 5:44 pm                      **86      SHEAR STRENGTH OF COMPOSITE BONDED TO Er:YAG LASER PREPARED ENAMEL: AN IN VITRO COMPARATIVE STUDY**  
*Frank Yung, Rene Franzen, Norbert Gutknecht, Toronto, Ontario, Canada, RWTH Aachen University, Aachen, North Rhine-Westphalia, Germany*

**LATE-BREAKING ABSTRACT**

**2010 ASLMS STUDENT RESEARCH GRANT RECIPIENT**

- 5:45 pm - 6:00 pm                      **A MECHANISM FOR PULSED LASER ABLATION OF DENTAL CALCULUS IN THE NEAR-ULTRAVIOLET**  
*Joshua Schoenly, Wolf Seka, Peter Rechmann, University of Toronto, Toronto, Ontario, Canada, University of Rochester, Rochester, NY, University of California, San Francisco, CA*