

Photodiagnosis and optical techniques for medical diagnosis

Chair: P. Taroni (Milano, ITA)

Invited Lectures:

Development of fluorescence cystoscopy with Hexvix®: the road from in vitro studies to clinical results

H. van den Bergh¹, P. Jichlinski¹, D. Aymon¹, A. Marti¹, N. Lange², L. Guillou¹, P. Kucera¹, H.-J. Leisinger¹, G. Wagnières¹ (¹Lausanne, SUI; ²Geneva, SUI)

Time domain optical mammography and spectroscopy of the breast

P. Taroni, A. Pifferi, L. Spinelli, A. Torricelli, G. Danesini, R. Cubeddu (Milano, ITA)

Studying brain physiology and pathology with non-invasive near infrared spectroscopy

J. Steinbrink (Berlin, GER)

High speed optical coherence tomography in ophthalmology

M. Wojtkowski, I. Gorczyńska, T. Bajraszewski, M. Szkulmowski, A. Szkulmowska, P. Targowski, A. Kowalczyk (Torun, Poland)

Oral Presentations:

Autofluorescence characterization of human steatotic liver

A.C. Croce¹, U. Bareato², D. Neri², U. Cillo², I. Freitas¹, G. Bottioli¹ (¹Pavia, ITA; ²Padova, ITA)

Influence of cholesterol on cell membrane dynamics probed by fluorescence spectroscopy and imaging

P. Weber¹, H. Schneckenburger^{1,2}, M. Wagner¹, W.S.L. Strauss² (¹Aalen, GER; ²Ulm GER)

Comprehensive study of the phenomenological mechanisms involved in autofluorescence bronchoscopy

T. Gabrecht, P. Uehlinger, T. Glanzmann, S. Andrejevic, P. Grosjean, A. Radu, P. Monnier, H. van den Bergh, G. Wagnières (Lausanne, SUI)

Laser induced delayed luminescence from normal fibroblasts and melanoma cells: spectral analysis as a non-invasive diagnostic tool

L.A. Applegate¹, F. Musumeci², H.J. Niggl³, A. Scordino², S. Tudisco² (¹Lausanne, SUI; ²Catania, ITA; ³Treyvaux, SUI)