

POSTER FLASH PRESENTATION

Abstract No.	Title	Authors
22	Fluorescent and Phosphorescent Porphyrin J-aggregates - are they interesting for application in optical sensing?	M.S. Andreas Russegger, Prof. Ingo Klimant, Prof. Sergey Borisov
23	Optical relative humidity sensing based on silk fibroin structures	Marcin Procek, Prof. Zbigniew Opilski, M.S. Augusto Márquez Maqueda, Ph.D. Xavier Muñoz Berbel, Ph.D. Salvador D. Aznar-Cervantes, Ph.D. Jose Luis Cenis, Prof. Carlos Dominguez Horna
30	Microfluidic and electrical study of the antibiotic susceptibility of single bacteria	Dr. Giampaolo Pitruzzello, Dr. Donato Conteduca, Dr. Steve Johnson, Prof. Thomas Krauss
41	Label-free Photonic Biosensor for the Detection of Parkinson's Disease Biomarkers	Miquel Sierra, Ph.D. M.- Carmen Estevez, Denise Robles, Ph.D. Catherine K. Xu, Ph.D. Janet R. Kumita, Ph.D. Nunilo Cremades, Ph.D. Laura M. Lechuga
44	Dual-target fluorometric bio-sniffer (breath acetone & isopropanol) for non-invasive assessment of lipid metabolism	Ph.D. Koji Toma, Masato Tsujii, Ph.D. Takahiro Arakawa, Prof. Kohji Mitsubayashi
45	BIS-PHOSPHONATE POLYMERIC LIGANDS ON INORGANIC NANOPARTICLES FOR BUILDING BIOSENSORS	Karan Malhotra, Richard Fuku, Tsz Shan Chan, Nicole Kraljevic, Ph.D. Abootaleb Sedighi, Prof. Paul A. E. Piuino, Prof. Ulrich J. Krull
48	Microgel Cavity assisted Lab on Fiber optodes for miRNAs detection	Ph.D. Anna Aliberti, Ph.D. Angela Maria Cusano, Federica Pia Gambino, Ph.D. Martino Giaquinto, Ph.D. Alberto Micco, Ph.D. Antonio Iele, Ph.D. Armando Ricciardi, Prof. Andrea Cusano
49	Biosensor for determining average iron content of ferritin by measuring its optical dispersion	Dr. Ruchi Gupta, Nasser Alamrani, Dr. Gillian Greenway, Prof. Nicole Pamme, Dr. Nicholas Goddard
58	Highly Water Resistant Optical Perovskite-Polymer Composite Temperature Sensors in Digital Microfluidic Platform	M.S. ZHANGDI LU, Jirui JIN, Prof. Stefan Nagl
64	HYDROGEL GRATING BIOSENSOR FOR DETECTION OF C-REACTIVE PROTEIN	Dr. Anil Pal, Dr. Ruchi Gupta
67	Hyperspectral imaging of planar optodes enables simultaneous mapping of chemical and structural information	Ph.D. Maria Mosshammer, Ph.D. Swathi Murthy, Ph.D. Silvia Zieger, Prof. Sergey Borisov, Prof. Klaus Koren, Prof. Michael Kühl
74	AN INNOVATIVE ENHANCED INTERFEROMETRIC OPTICAL DETECTION METHOD OF OCULAR AND SYSTEMIC DISEASE	M.S. Santamaria Beatriz, Ph.D. Rodriguez-Lorenzo Laura, Ph.D. Espiña Begoña, M.S. Herreros Pedro, M.S. Tramarin Luca, M.S. Espinosa Rocio L., Prof. Laguna Maria Fe, Prof. Holgado Miguel
76	Enhanced fluorescence-optical glucose monitoring using a mutant form of the glucose-galactose binding protein	M.S. Lisa Neuner, M.S. Tatjana Roth, Ph.D. Mircea Tric, M.S. Laura Freitag, Prof. Philipp Wiedemann, Prof. Stefan Woelfl, Prof. Tobias Werner
78	LUMINESCENCE-BASED OXYGEN MONITORING IN AIRCRAFT FUEL TANKS	Ph.D. Bruno Pedras, Prof. Mario Berberan-Santos
86	Chemiluminescence Immunoassays for Simultaneous Detection of Acute Myocardial Infarction Biomarkers with MI	Prof. Hua Cui
87	Surface plasmon microscopy of electrochemical nucleation and growth	Ph.D. Shavkat Nizamov, Ph.D. Veronika K. Laurinavichyute, Prof. Vladimir M. Mirsky
88	Imaging of O2 and pH in 3D bioprinted living constructs with integrated luminescent sensor nanoparticles	Dr. Erik Trampe, Dr. Maria Mosshammer, Dr. Swathi Murthy, Dr. Michael Kühl
123	Phage display is booming for optical biosensing	Ph.D. Riikka Peltomaa, Ph.D. Elena Benito-Pena, Ph.D. Rodrigo Barderas, M.S. Lidia N. Gomez Arribas, M.S. Alvaro Luque-Uria, Ph.D. Carmen Cuadrado, M.S. Augusto Juste-Dolz, Ph.D. David Gimenez-Romero, Pr
129	Optical frequency comb based silicon photonic biosensor for blood biomarker analyses	M.S. Siew Joo Beh
132	Internally-referenced Hydrogel Leaky Waveguide Biosensor	Dr. Anil Kumar Pal, Hazel Dixon, Prof. Nicholas J Goddard, Dr. Ruchi Gupta

of. Angel Maquieira, Ph.D. Trajen R. Head, Ph.D. Sapna K Deo, Prof. Maria C. Moreno-Bondi