

ICAVS10 POSTER SESSION 3

Thursday 11 July 2019

| 4:30PM - 6:00PM | Poster Session 3 (Level 0) |
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| 12. Miniaturization and handheld instruments | EVALUATION OF THREE HAND-HELD NEAR-INFRARED SPECTROMETERS COMBINED WITH SEMI-AUTOMATED MULTIVARIATE DATA ANALYSIS THROUGH INVESTIGATION OF PROTEIN CONTENT OF PROSO PANICUM - Verena Wiedemair, Leopold-franzens University |
| 12. Miniaturization and handheld instruments | CONSUMER APPLICATIONS FOR SMARTPHONE INTEGRATED RAMAN SPECTROMETER - Oleksii Ilchenko, Technical University Of Denmark |
| 15. Food security and quality | FORENSIC APPLICATION OF INFRARED SPECTROSCOPY: ANALYSIS OF FOOD PRODUCTS FOR AUTHENTICATION, CONTAMINATION AND PROVENANCE - Agnieszka Banas, Singapore Synchrotron Light Source |
| 15. Food security and quality | VERIFICATION OF THE PRODUCTION SYSTEM OF BEEF PRODUCTS USING SPECTROSCOPIC TECHNOLOGIES - Bridgette Logan, New South Wales Department Of Primary Industries |
| 16. Biomedical spectroscopy and diseases characterization | SPECTROSCOPIC EVIDENCE OF LEUKOCYTES INACTIVATION IN MALARIA - Aleksandra Weselucha-Birczynska, Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | STORAGE-SENSITIVE RED BLOOD CELL DERIVED EXTRACELLULAR VESICLES (RBC-EVS): AN FTIR SPECTROSCOPIC APPROACH - Judith Mihaly, Research Centre For Natural Sciences Has |
| 16. Biomedical spectroscopy and diseases characterization | NON-RESONANT RAMAN SPECTROSCOPY ON RETINAS OF HUMAN EYES UNDER IN VIVO-LIKE CONDITIONS - Clara Stiebing, Leibniz Institute Of Photonic Technology |
| 16. Biomedical spectroscopy and diseases characterization | A MOLECULAR INSIGHT INTO LUNG MICROENVIRONMENT IN BREAST CANCER METASTASIS - FROM INFLAMED PARENCHYMA TO PERIVASCULAR AND PLEURAL METASTASIS. - Katarzyna Maria Marzec, Jagiellonian Centre for Experimental Therapeutics (JCET), Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | PERIVASCULAR ADIPOSE TISSUE - A NEW TARGET OF THERAPEUTIC POTENTIAL STUDIED WITH FIBER OPTIC RAMAN SPECTROSCOPY - Krzysztof Czamara, Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | MEASUREMENT OF OXIDATIVE STRESS MARKERS IN STORED RED BLOOD CELLS WITH USE OF MASS SPECTROMETRY COMBINED WITH RAMAN SPECTROSCOPY. - Magdalena Kaczmarek, Jagiellonian Centre for Experimental Therapeutics (JCET), Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | AN INSIGHT INTO BIOCHEMICAL PROFILE, MORPHOLOGY, CELL SURFACE AREA, AND DEFORMABILITY OF STORED RED BLOOD CELLS - Magdalena Kaczmarek, Jagiellonian Centre for Experimental Therapeutics (JCET), Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | APPLICATION OF MID-INFRARED SPECTROSCOPIC IMAGING TO CANCER DIAGNOSIS - Rohith Reddy, University Of Houston |
| 16. Biomedical spectroscopy and diseases characterization | HYDRATION OF CARTILAGE MATRICES STUDIED BY LOW FREQUENCY TERAHERTZ TIME-DOMAIN SPECTROSCOPY - Seizi Nishizawa, Advanced Bio-Spectroscopy Co. Ltd |
| 16. Biomedical spectroscopy and diseases characterization | CHALLENGES AND OPPORTUNITIES IN THE DEVELOPMENT OF CHIP BASED SAMPLE PREPARATION METHODS FOR THE RAMAN SPECTROSCOPIC IDENTIFICATION OF BACTERIA - Susan Pahlow, Leibniz-Institut für Photonische Technologien |
| 16. Biomedical spectroscopy and diseases characterization | NOVEL RAMAN URINALYSIS WITH HAMAND HYPERSPECTRAL ANALYSIS - Ling-I Liao, Department Of Applied Chemistry, National Chiao Tung University, Hsinchu, Taiwan |
| 16. Biomedical spectroscopy and diseases characterization | RESPONSE OF PROSTATE CANCER CELLS TO X-RAY IRRADIATION STUDIED BY RAMAN MAPPING - Maciej Roman, Institute of Nuclear Physics Polish Academy of Sciences |
| 16. Biomedical spectroscopy and diseases characterization | TRACKING A PHOTOSENSITISER ACTIVATION USING RAMAN - Julia Gala De Pablo, University Of Leeds |
| 16. Biomedical spectroscopy and diseases characterization | MONITORING THE MACROMOLECULAR CHANGES IN BLOOD DURING FASTING AND STORAGE - Miguela Martin, Centre for Biospectroscopy, Monash University |

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| 16. Biomedical spectroscopy and diseases characterization | RAMAN-BASED STUDY ON FREE FATTY ACIDS UPTAKE AND CONVERSION IN LIVER SINUSOIDAL ENDOTHELIAL CELLS AND HEPATOCYTES - Ewelina Szafraniec, Faculty of Chemistry, Jagiellonian University |
| 16. Biomedical spectroscopy and diseases characterization | RAMAN MICROSCOPY AS A TOOL TO DETECT HPV INFECTION AND TO DETERMINE OF DYSPLASTIC AND NEOPLASTIC CHANGES IN CERVICAL CELLS - Katarzyna Sitarz, Jagiellonian University Medical College |
| 16. Biomedical spectroscopy and diseases characterization | CHARACTERIZATION OF DEGENERATION DEGREE OF CARTILAGE TISSUES BY RAMAN SPECTROSCOPY - Paulina Filipczak, Lodz University Of Technology |
| 16. Biomedical spectroscopy and diseases characterization | RAMAN SPECTROSCOPY: A NOVEL APPROACH FOR SEPSIS DETECTION - Anuradha Ramoji, Leibniz-Institute For Photonic Technology |
| 16. Biomedical spectroscopy and diseases characterization | STUDIES ON HEMOPROTEIN ADDUCTS AND THEIR CHANGES IN CHOSEN BIOLOGICAL SYSTEMS BY MEANS OF MOLECULAR SPECTROSCOPY - Jakub Dybas, Jagiellonian Centre For Experimental Therapeutics (JCET)) |
| 16. Biomedical spectroscopy and diseases characterization | RAMAN SPECTROSCOPY IN STUDIES OF STORAGE-INDUCED DAMAGE OF HEMOGLOBIN IN HUMAN RBCS - Jakub Dybas, Jagiellonian Centre For Experimental Therapeutics (JCET)) |
| 16. Biomedical spectroscopy and diseases characterization | FORMATION OF HBCN INSIDE HUMAN RBCS AS A MODEL OF ADVANCED DYSFUNCTIONAL HB ADDUCT - Jakub Dybas, Jagiellonian Centre For Experimental Therapeutics (JCET)) |
| 16. Biomedical spectroscopy and diseases characterization | SENSITIVITY OF TRANSMISSION RAMAN SPECTROSCOPY SIGNALS TO TEMPERATURE OF BIOLOGICAL TISSUES - Nick Stone, University Of Exeter |
| 16. Biomedical spectroscopy and diseases characterization | DEVELOPING CELLULAR PHENOTYPING BY INFRARED SPECTROSCOPY: HUNTINGTON'S DISEASE NEURONS AND ASTROCYTES - Michael C Martin., Advanced Light Source, LBNL |
| 16. Biomedical spectroscopy and diseases characterization | UNIQUE BIOLOGICAL RESPONSE TO MICROBEAM RADIATION THERAPY IDENTIFIED WITH RAMAN SPECTROSCOPY - Stuart Hombsch, RMIT University |
| 17. Pharmaceuticals: understanding, characterization and quality | USEFULNESS OF LOW-FREQUENCY RAMAN SPECTROSCOPY FOR DISCRIMINATING CRYSTALLINE POLYMORPHISM OF ACTIVE PHARMACEUTICAL INGREDIENTS - Akira Okayama, Department Of Molecular Pharmaceutics, Meiji Pharmaceutical University |
| 17. Pharmaceuticals: understanding, characterization and quality | LOW FREQUENCY RAMAN SPECTROSCOPIC STUDY ON COMPRESSION-INDUCED DESTABILIZATION IN AMORPHOUS CELECOXIB - Kārlis Bērziņš, University Of Otago, Department Of Chemistry |
| 19. Applications in life sciences | A COMBINED VIBRATIONAL SPECTROSCOPIC AND X-RAY CRYSTALLOGRAPHIC STUDY OF A [NIFE] HYDROGENASE REVEALED THE KEY DETERMINANTS FOR HYDROGEN CYCLING - Christian Lorent, Technische Universität Berlin |
| 19. Applications in life sciences | TRACKING BIOCHEMICAL AND MORPHOLOGICAL FIXATION-INDUCED ALTERATIONS IN RED BLOOD CELLS. - Katarzyna Maria Marzec, Jagiellonian Centre for Experimental Therapeutics (JCET), Jagiellonian University |
| 19. Applications in life sciences | EVALUATION OF MOLECULAR TEMPERATURE AND MOLECULAR CROWDING USING ULTRALOW-FREQUENCY RAMAN MICROSCOPY AND ITS APPLICATIONS TO LIVING CELLS - Yuki Yoshikawa, Kwansai Gakuin University |
| 19. Applications in life sciences | RAMAN IMAGING OF BIOCHEMICAL ALTERATIONS IN ENDOTHELIAL CELLS DUE TO OXIDATIVE STRESS - Ewelina Bik, Jagiellonian University |
| 19. Applications in life sciences | INVESTIGATION OF HEAVY METALS EFFECTS ON THE SKIN AND OF THEIR PERMEATION BY VIBRATIONAL SPECTROSCOPY - Martin Loula, Institute Of Organic Chemistry And Biochemistry Of The Czech Academy Of Sciences |
| 19. Applications in life sciences | TRACKING METABOLIC ACTIVITY DYNAMICS IN A FILAMENTOUS FUNGUS USING RAMAN MICROSCOPY COMBINED WITH STABLE ISOTOPE LABELLING - Mitsuru Yasuda, Kwansai Gakuin University, Japan |
| 19. Applications in life sciences | FIRST COMPLETE VIBRATIONAL STUDY BY MICRO-RAMAN AND FTIR SPECTROSCOPY IN COREMA ALBUM - Aida Moreira da Silva, University Of Coimbra |
| 19. Applications in life sciences | FTIR SPECTROCHEMICAL IMAGING ANALYSIS OF STRESS ON ICE ALGAE FROM THE NORTHWEST PASSAGE OF THE CANADIAN ARCTIC - Kathleen Gough, University Of Manitoba |

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| 19. Applications in life sciences | DESIGN AND IMPLEMENTATION OF A MULTI-TECHNOLOGY IR/RAMAN PLATFORM FOR DRUG CHECKING - Rory Hills, University Of Victoria |
| 20. Cultural heritage | IDENTIFICATION OF CLAY MINERALS IN ARCHAEOLOGICAL CERAMICS - Alexandra Klouzkova, University of Chemistry and Technology Prague |
| 20. Cultural heritage | EVALUATION OF PIGMENTS OF RELIEF GLAZED DECORATIONS FROM PRAGUE PALACES - Alexandra Klouzkova, University of Chemistry and Technology Prague |
| 20. Cultural heritage | SR-FTIR AND SEM INVESTIGATIONS ON PALEOLITHIC GRINDING STONES TO DISCOVER THE DIET AT THE DAWN OF MODERN HUMANS - Giovanni Birarda, Elettra - Sincrotrone Trieste |