

ICAVS10 POSTER SESSION 3

Thursday 11 July 2019

4:30PM - 6:00PM	Poster Session 2 and Exhibit Viewing (Level 0 Exhibition)
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	A PHOTONIC PROBE FOR HIGHLY LOCALIZED AND RAPID IDENTIFICATION OF ISCHEMIC TISSUE IN VIVO DURING PANCREATIC SURGERY - Hannah Holtkamp, University Of Auckland
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, The University Of Tokyo
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 - Susanne Pahlow, Leibniz-Institut für Photonische Technologien
16. Biomedical spectroscopy and diseases characterization	SURFACE-ENHANCED RAMAN SPECTROSCOPY TO CHARACTERIZE DIFFERENT FRACTIONS OF EXTRACELLULAR VESICLES FROM HEALTHY AND CANCER PATIENTS - Eric Boateng Osei, Leibniz Institute of Photonic Technology

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	THE USE OF ATR-FTIR TO STUDY THE MECHANISM OF BACTERIAL INITIAL ATTACHMENT UNDER THREE TYPES OF NUTRIENT CONDITIONS - Kamila Jankowska, University Of Siena
16. Biomedical spectroscopy and diseases characterization	TRACKING A PHOTSENSITISER 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
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	MARKERS OF INFLAMMATION: RAMAN IMAGING OF ENDOTHELIAL CELLS WITHIN FUNCTIONAL ISOLATED BLOOD VESSELS STIMULATED WITH TUMOR NECROSIS FACTOR-A - Marta Z. Pacia, Jagiellonian Centre For Experimental Therapeutics (jcet), Jagiellonian University
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	ULTRASENSITIVE DETECTIONS OF CYTOKINES SECRETED BY SINGLE CELLS IN MICROFLUIDIC DROPLETS VIA MAGNETIC-FIELD AMPLIFIED SERS - Shuping Xu, Jilin University
16. Biomedical spectroscopy and diseases characterization	DEVELOPING CELLULAR PHENOTYPING BY INFRARED SPECTROSCOPY: HUNTINGTON'S DISEASE NEURONS AND ASTROCYTES - Michael C., Advanced Light Source, LBNL
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	IN-VIVO VIBRATIONAL ANALYSES OF THE GFE2O3@AG NPS IMMUNOGENICITY AS A PLATFORM FOR THE SCREENING OF VACCINE ADJUVANTS USING IR-MICROSCOPY. - May Eid, National Research Center
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 MICROSPECTROSCOPY AND ITS APPLICATIONS TO LIVING CELLS - Yuki Yoshikawa, Kwansei Gakuin University
19. Applications in life sciences	RAMAN IMAGING OF BIOCHEMICAL ALTERATIONS IN ENDOTHELIAL CELLS DUE TO OXIDATIVE STRESS - Ewelina Bik, Faculty of Chemistry, Jagiellonian University, Gronostajowa 3, Kraków, Poland
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 MICROSPECTROSCOPY COMBINED WITH STABLE ISOTOPE LABELLING - Mitsuru Yasuda, Kwansei Gakuin University, Japan
19. Applications in life sciences	CONQUERING THE NEW ZEALAND LAKES INVADER: VIBRATIONAL SPECTROSCOPY AND MULTIVARIATE ANALYSIS OF LAKE SNOW - Ruth Eloisa Sales, University Of Otago
19. Applications in life sciences	COMBINING RAMAN SPECTROSCOPY AND DIELECTROPHORESIS FOR RAPID DETERMINATION OF BACTERIAL SUSCEPTIBILITY TO ANTIBIOTICS - Chiara Portesi, Inrim
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
19. Applications in life sciences	BACTERIAL GROWTH AND STRESS: RAMAN AND RESONANCE RAMAN PERSPECTIVES - Ria Mukherjee, IISc
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	EVIDENCE FOR THERMOREGULATION AND CAMOUFLAGE IN A JURASSIC ICHTHYOSAUR. - Anders Engdahl, Max IIV Laboratory, Lund University
20. Cultural heritage	MOLECULAR SIGNATURES OF FOSSIL LEAVES PROVIDE UNEXPECTED NEW EVIDENCE FOR EXTINCT PLANT RELATIONSHIPS - Anders Engdahl, Max IIV Laboratory, Lund University
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