

# ICAVS10 POSTER SESSION 3

Thursday 11 July 2019

4:30PM - 6:00PM	Poster Session 3 (Level 0)
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 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 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 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, National Chiao Tung University
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, 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, 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, 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 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
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	DESIGN AND IMPLEMENTATION OF A MULTI-TECHNOLOGY IR/RAMAN PLATFORM FOR DRUG CHECKING - Rory Hills, University Of Victoria, Canada
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