



Marszałek Województwa
Kujawsko-Pomorskiego
Piotr Całbecki

Partnerem wydarzenia jest Województwo Kujawsko-Pomorskie



Rzeczpospolita
Polska



Województwo
Kujawsko-Pomorskie

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5TH SCIENTIFIC CONFERENCE METABOLOMICS CIRCLE 2018 26-28 October 2018, Przysiek k/Torunia

PROGRAM



MARSZAŁEK WOJEWÓDZTWA
KUJAWSKO-POMORSKIEGO
Piotr Całbecki



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Friday 26.10.2018		
9.00-13.00	Workshops /ICNT UMK, Wileńska 4, Toruń/	
14.00-16.00	REGISTRATION FOR THE CONFERENCE /Hotel Daglezja Przysiek/	
16.00-16.30	OPENING CEREMONY	
Chairman: prof. dr hab. Bogusław Buszewski, prof. dr hab. Michał Markuszewski		
16:30-17:00	KL-1	Jerzy Silberring (Poland) FROM IDENTIFICATION TO FRUSTRATION
17:00-17:30	KL-2	Suzana Nixdorf (Brazil) USE OF METABOLOMICS IN SEARCHING FOR ACTIVE COMPOUNDS AGAINST <i>LEISHMANIA AMAZONENSIS</i>
17:30-18:00	KL-3	Michael Laemmerhofer (Germany) PROMISES AND CHALLENGES OF TARGETED AND UNTARGETED LIPIDOMICS PROFILING BY UHPLC-MS/MS USING DATA-INDEPENDENT ACQUISITION FOR CLINICAL SAMPLES
18:00-18:30	KL-4	Ryszard Smoleński (Poland) TODAYS AND FUTURE APPLICATIONS OF LIQUID CHROMATOGRAPHY MASS SPECTROMETRY IN CLINICAL DIAGNOSTICS
19:00	Gala dinner /Hotel Daglezja, Przysiek/	
Saturday 27.10.2018		
Chairman: prof. Michael Laemmerhofer, dr hab. Barbara Bojko		
8:30-9:00	KL-5	Danilo Corradini (Italy) DEVELOPMENT BY A DESIGN OF EXPERIMENT APPROACH OF RP-HPLC METHODS FOR THE ANALYSIS OF PLANT SECONDARY METABOLITES
9:00-9:30	KL-6	Michał Markuszewski (Poland) A NEW APPROACH TO PLASMA PREPARATION IN UNTARGETED METABOLOMICS OF CLINICAL SAMPLES
9:30-10:00	KL-7	Wiesław Wiczowski (Poland) UNDERSTANDING THE ABSORPTION, METABOLISM AND BIOAVAILABILITY OF THE NATURAL PLANT-DERIVED RED PIGMENTS
10:00-10:20	OP-1	Bertrand Rochat (Switzerland) PROPOSED CONFIDENCE SCALE AND ID SCORE IN THE IDENTIFICATION OF KNOWN-UNKNOWN COMPOUNDS USING HIGH RESOLUTION MS DATA
10:20-10:40	OP-2	Rajmund Michalski (Poland) ION CHROMATOGRAPHY AND RELATED TECHNIQUES IN METABOLOMIC STUDIES
10:40-10:50	CP-1	Florian Zubeil (BRUKER) NOVEL AND INNOVATIVE MS BASED SOLUTIONS FOR ADVANCING METABOLOMICS AND LIPIDOMICS RESEARCH
10:50-11:00	CP-2	Bartosz Rasiński (WATERS) ENHANCING MS CAPABILITIES AND PERFORMANCE WITH NOVEL IONISATION TECHNIQUES
11:00-11:10	CP-3	Łukasz Nowicki (PERLAN) FROM UNTARGETED METABOLOMICS, THROUGH QUALITATIVE FLUX ANALYSIS TO TARGETED METABOLOMIC ANALYZES IN MEDICAL DIAGNOSTIC
11:10-11:25	COFFEE BREAK & EXHIBITION	
Chairman: prof. Danilo Corradini, dr hab. Renata Gadzała-Kopciuch		
11:25-11:55	KL-8	Zbigniew Brzózka (Poland) HEART-ON-A-CHIP SYSTEM - SIMULATION OF ORGAN FUNCTIONS IN MICROSCALE
11:55-12:25	KL-9	Barbara Bojko (Poland) SEEKING FOR NEW DIAGNOSTIC TOOL FOR MALIGNANT HYPERTHERMIA

12:25-12:45	OP-3	Joanna Giebułtowiec (Poland) TARGETED METABOLOMICS OF PLASMA AND CEREBROSPINAL FLUID OF PATIENTS WITH PARKINSON DISEASE
12:45-13:05	OP-4	Grzegorz Strączyński (Poland) SEARCHING FOR BIOMARKERS OF KIDNEY DISEASES USING SOLID PHASE MICRO-EXTRACTION COMBINED WITH GC×GC-TOF MS
13:05-13:25	OP-5	Levent Pelit (Turkey) ANALYSIS OF VOC BIOMARKERS IN EXHALED BREATH BY CONDUCTING POLYMER BASED SPME FIBERS FOR EARLY DIAGNOSIS OF LUNG CANCER
13:25-13:35	CP-4	Andrzej Lechotycki (Pro-Environment) SC-ICP-MS – NEW POSSIBILITIES IN CELL BIOLOGY RESEARCH
13:35-13:45	CP-5	Stanisław Woja (LECO) A CHALLENGING STORY OF GC-TOF-MS: TECHNOLOGY MILESTONES AND TWO AMAZING DECADES OF ITS APPLICATION IN METABOLOMICS
13:45-13:55	CP-6	Marcin Gawryś (SHIM POL) SHIMADZU ESTABLISHED THE NEW STANDARD IN Q-TOF ANALYSIS
13:55-14:45	Lunch	
Chairman: prof. dr hab. Zbigniew Brzózka, prof. Michał Holcapek, prof. Suzana Nixdorf, dr hab. Tomasz Ligor, prof. dr hab. Jerzy Silberring, dr Małgorzata Szultka-Młyńska		
<i>ePoster Session – oral presentation</i>		
14:45-14:50	eP-1	Hossam Al-Soud (Jordan) SELECTIVE SEPARATION OF CYCLITOLS FROM SUGARS
14:50-14:55	eP-2	Ertan Baysal (Turkey) DETERMINATION OF ACETIC ACID IN THE BREATH OF ASTHMA PATIENTS BY NEEDLE TRAP DEVICE
14:55-15:00	eP-3	Wioleta Białobrzieszka (Poland) INTERACTION OF CALF THYMUS DNA WITH 9,10-ANTHRAQUINONE DERIVATIVES BY SPECTROSCOPY AND ELECTROCHEMICAL METHODS
15:00-15:05	eP-4	Joanna Bogusiewicz (Poland) THE USE OF MICROEXTRACTION TO THE SOLID PHASE IN LIPIDOMICS OF BRAIN TUMORS
15:05-15:10	eP-5	Weronika Brzozowska (Poland) METABOLIC INSERTION OF GERMANIUM IN DIATOM BIOSILICA
15:10-15:15	eP-6	Zofia Cebula (Poland) ELECTROCHEMICAL BEHAVIOR OF KETOPROFEN AND ITS DETERMINATION BY ELECTROCHEMICAL TECHNIQUES
15:15-15:20	eP-7	İlknur Erbaş (Turkey) ASSESSMENT OF THE EFFICIENCY OF DIFFERENT LIQUID-LIQUID EXTRACTION TECHNIQUES FOR THE DETERMINATION OF METABOLITES IN URINE SAMPLES
15:20-15:25	eP-8	Joanna Jabłońska (Poland) ANALYTICS OF (E)-AZASTILBENE ISOMERS BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY
15:25-15:30	eP-9	Mariusz Kluska (Poland) DETERMINATION OF COUMARIN AND FLAVONE DERIVATIVES FOUND IN VEGETABLES AND FRUITS
15:30-15:35	eP-10	Aneta Krakowska (Poland) HPLC-MS/MS PROFILING OF M. SATIVA SECONDARY METABOLITES FROM ENZYME-ASSISTED SUPERCRITICAL FLUID EXTRACTION
15:35-15:40	eP-11	Anna Król (Poland) SEPARATION OF LACTOCOCCUS LACTIS MODIFIED WITH ZINC BY CAPILLARY ELECTROPHORESIS
15:40-15:45	eP-12	Dariusz Kruszka (Poland) THE IMPACT OF METAL NANOPARTICLES ON ACCUMULATION OF SECONDARY METABOLITES IN HYPERICUM PERFORATUM SUSPENSION CELL CULTURES
15:45-15:50	eP-13	Magdalena Ligor (Poland) CABBAGE FAMILY PLANTS (<i>BRASSICACEAE</i> BURNETT, <i>CRUCIFERAE</i> JUSS.) - NUTRITIONAL PROFILE, CHEMICAL PROPERTIES, APPLICATIONS
15:50-15:55	eP-14	Fernanda Ferreira da Silva Souza Monedeiro (Brazil) APPLICATION OF SPME-GC/MS IN STUDY OF VOLATILE PROFILES IN BREATH SAMPLES

15:55-16:00	<i>eP-15</i>	Tuğberk Nail Dizdaş (Turkey) DETERMIATION OF 3-(METHYLTHIO)-1-PROPENE IN THE BREATH OF ASTHMA PATIENTS
16:00-16:05	<i>eP-16</i>	Joanna Paczkowska (Poland) METABOLISM OF PYRAZINES AS SUBSTANCES ADDED TO FOOD
16:05-16:10	<i>eP-17</i>	Małgorzata Patejko (Poland) APPLICATION OF FORMALIN-FIXED PARAFFIN-EMBEDDED TISSUES IN UNTARGETED METABOLOMICS STUDY
16:10-16:15	<i>eP-18</i>	Ewa Parfieniuk (Poland) BISPHENOL A INFLUENCE ON ENDOCANNABINOID SYSTEM IN PREGNANT WOMEN
16:15-16:20	<i>eP-19</i>	Füsün Pelit (Turkey) THIN FILM EXTRACTION METHOD FOR THE DETERMINATION OF LUNG CANCER BIOMARKER METABOLITES IN URINE SAMPLES
16:20-16:25	<i>eP-20</i>	Karolina Pietrowska (Poland) AQUEOUS HUMOR METABOLIC PROFILE OF PATIENTS WITH TYPE 2 DIABETES MELLITUS UNDERGOING CATARACT SURGERY
16:25-16:30	<i>eP-21</i>	Joanna Raczak-Gutknecht (Poland) PREPARATION OF EIACULATE SAMPLES FROM PATIENTS WITH PROSTATE CANCER – METHOD DEVELOPEMENT
16:30-16:35	<i>eP-22</i>	Viorica Railean (Moldova) BIOSILVER NANOCOMPOSITES SYNTHESIS BY USING METABOLIC PATHWAY
16:35-16:40	<i>eP-23</i>	Agnieszka Rodzik (Poland) PROTEOMIC ANALYSIS OF SELECTED WHEY' PROTEINS BY MALDI TOF MS APPROACH
16:40-16:45	<i>eP-24</i>	Rafał Rola (Poland) FALSE POSITIVE SIGNALS IN PROFILING OF VITAMIN D METABOLITES BY LC-MS/MS
16:45-16:50	<i>eP-25</i>	Agnieszka Rogowska (Poland) IMMOBILIZATION OF BIOLOGICALLY OBTAINED NANOPARTICLES WITH ANTIBIOTICS
16:50-16:55	<i>eP-26</i>	Anna Stefaniak (Poland) UNTARGETED METABOLOMIC APPROACH TO STUDY THE MECHANISM OF POLYCYSTIC OVARY SYNDROME
16:55-17:00	<i>eP-27</i>	Umut Can Uzun (Turkey) ANALYSIS OF VOLATILE METABOLITES IN URINE SAMPLES BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY THERMAL DESORPTION SYSTEM
17:00-17:05	<i>eP-28</i>	Justyna Mielnik (Poland) NMR BASED LIPIDOMICS OF BIOFLUIDS
17:05-17:10	<i>eP-29</i>	Badr Qasem (Poland) METABOLOMICS SCREENING OF POPULATION RESIDENTS OF LOWER SILESIA, POLAND
17:10-17:15	<i>eP-30</i>	Karolina Anna Mielko (Poland) METABOLOMIC STUDIES OF <i>PSEUDOMONAS AERUGINOSA</i>
17:15-17:20	<i>eP-31</i>	Maciej Milanowski (Poland) INFLUENCE OF SLIVER NANOPARTICLES ON MALDI-TOF MS AND HS-SPME-GC/MS PROFILES FROM <i>ESCHERICHIA COLI</i> AND SELECTED ORAL BACTERIA
17:20-17:35	COFFEE BREAK & EXHIBITION	
17:35-19:15	<i>Discussion panel</i> SCIENCE-BUSINESS-ENTERPRISE "ACT 2.0 - CONSTITUTION FOR SCIENCE VS. INTELLIGENT SPECIALIZATIONS AND DEVELOPMENT STRATEGIES OF THE KUYAVIAN-POMERANIAN VOIVODESHIP"	
19:30	Barbecue Party /Hotel Daglezja, Przysiek/	
Sunday 28.10.2018		
<i>Chairman: dr hab. Michał Ciborowski, prof. Levent Pelit, dr hab. Rafał Szewczyk</i>		
9:00-9:30	<i>KL-10</i>	Michal Holcapek (Czech Republic) LIPIDOMIC ANALYSIS IN CANCER BIOMARKER RESEARCH
9:30-10:00	<i>KL-11</i>	Piotr Mlynarz (Poland) METABOLIC FLUX ANALYSIS AS A TOOL FOR CELL METABOLISM ASSESSING

10:00-10:20	OP-6	Ernst Plefka (Austria) METABOLOMICS AS A USEFUL TOOL IN MEDICAL RESEARCH
10:20-10:40	OP-7	Renata Gadzała-Kopciuch (Poland) DETERMINATION OF SELECTED OMEGA-3 AND OMEGA-6 FATTY ACIDS IN BREAST MILK
Young Scientists Session		
10:40-10:55	YS-1	Lukasz Boguszewicz (Poland) NMR-BASED METABOLOMICS IN REAL-TIME MONITORING OF TREATMENT INDUCED TOXICITY AND CACHEXIA IN HEAD AND NECK CANCER – A METHOD FOR EARLY DETECTION OF HIGH RISK PATIENTS
10:55-11:10	YS-2	Marta Kordalewska (Poland) WHAT CAN WE LEARN ABOUT RENAL CELL CARCINOMA FROM URINE METABOLIC FINGERPRINTING?
11:10-11:25	YS-3	Szymon Macioszek (Poland) FREELY AVAILABLE METABOLOMICS DATABASES
11:25-11:40	YS-4	Paweł Pomastowski (Poland) IMMOBILIZATION OF METAL IONS ONTO WHEY' PROTEINS
11:40-11:55	YS-5	Wiktoria Struck-Lewicka (Poland) UNTARGETED METABOLOMICS STUDY OF PLASMA AND URINE SAMPLES DERIVED FROM PROSTATE CANCER PATIENTS
11:55-12:10	COFFEE BREAK & EXHIBITION	
Chairman: prof. dr hab. Ryszard Smoleński, dr hab. Piotr Młynarz, dr hab. Magdalena Ligor		
12:10-12:40	KL-12	Dorota Waško-Czopnik (Poland) KETOGENIC DIET AND INFLUENCE ON METABOLIC CHANGES IN HUMAN ORGANISM
12:40-13:10	KL-13	Rafał Szewczyk (Poland) LC-MS/MS BIOTYPING AS A FOUNDATION OF HIGH-THROUGHPUT DIAGNOSTICS OF MYCOBACTERIUM INFECTIONS
13:10-13:30	OP-8	Lucyna Kozłowska (Poland) METABOLOMICS STUDIES IN PEOPLE ENVIRONMENTALLY EXPOSED TO ARSENIC
13:30-13:50	OP-9	Michał Ciborowski (Poland) APPLICATION OF METABOLOMICS IN DIABETOLOGY
13:50-14:10	OP-10	Tomasz Ligor (Poland) HYPHENATED TECHNIQUES FOR INVESTIGATION OF VOLATILE ORGANIC COMPOUNDS IN URINE
14:10-14:30	OP-11	Chandra Pareek (Poland) GENE EXPRESSION ANALYSIS METABOLOME TISSUES IN CATTLE BREEDS
Young Scientists Session		
14:30-14:45	YS-6	Katarzyna Rafińska (Poland) <i>BACILLUS SUBTILIS</i> RESPONSE TO SILVER IONS AND NANOPARTICLES: MORPHOLOGICAL AND METABOLOMIC STUDY
14:45-15:00	YS-7	Paulina Samczuk (Poland) THE ROLE OF MITOCHONDRIA-GUT MICROBIOTA RELATION IN TYPE 2 DIABETES REMISSION AFTER LAPAROSCOPIC SLEEVE GASTRECTOMY
15:00-15:15	YS-8	Sylwia Michorowska (Poland) THE EFFECT OF SELECTED ACTIVE PHARMACEUTICAL INGREDIENTS OF ANTIDEPRESSANTS ON THE METABOLOME OF SHS5Y CELLS
15:15-15:30	YS-9	Michał Złoch (Poland) APPLICATION OF MALDI TOF MS TECHNIQUE FOR EXAMINATION OF CLINICAL SPECIMENS ON EXAMPLE OF SALIVARY BACTERIA ANALYSIS
15:30-16:00	Lunch	
16:00-16:30	METABOLOMICS CIRCLE 2018 CLOSING CEREMONY	