

**4th Annual Meeting of Center for Innovative Research
under KNOW collaboration
Warsaw, May 26-27, 2017**

May 26, 2017

10.00 - 10.30 arrival to the LOGOS hotel (coffee)

10.45 - 13.00 START + MMRC PhD Projects

1. **Ewelina Majewska** "Liver-type glutaminase (GAB) suppresses malignant phenotype of glioblastoma cells through p-AKT signaling pathway."
2. **Katarzyna Stępień** "The effect of different oxygen conditions on the expression of HIF-1α and PKD1 protein forms in T98G glioma-derived cell line treated with selected isothiourea derivate".
3. **Damian Strzemecki** "The hallmarks of cancer in p53 knockout rat model".
4. **Julia Tuchalska-Czuroń** "Prognostic factors in resectable pancreatic cancer".
5. **Mateusz Kaczynski** "Cardiovascular comorbidities in oncological patients".

6. **Ewelina Bratek** "Group II metabotropic glutamate receptors agonists reduce neurodegeneration in animal model of perinatal asphyxia".
7. **Olga Krupska** "Biological effects of PKCβII translocation to mitochondria after ischemia-reperfusion injury in Mongolian gerbil brain"
8. **Sylwia Koniusz** "The immunomodulatory properties of human bone marrow mesenchymal stem cells and extracellular vesicles derived from these cells in a rat focal cerebral ischemia"
9. **Mariusz Popek** "Role of glutamine transporter SN1 deficiency in the development of brain edema and glutamatergic transmission disturbances in mice".

13.00 - 14.30 lunch + check in at the hotel

14.30 - 15.15 Lecture

Coral Barbas "Biomedical applications of Metabolomics"

The Centre of Metabolomics and Bioanalysis (CEMBIO) at the Pharmacy Faculty Universidad CEU San Pablo, Madrid, Spain

15.15 - 15.30 coffee break

15.30 - 17.30 UMB PhD Projects

1. **Ilona Zaręba** "Proline oxidase silencing induces proline-dependent pro-survival pathways in MCF-7 cell"
2. **Ewa Gajda** "Role of microRNA-7-5p in Glioblastoma Multiforme treatment"
3. **Anna Rusek** "Analysis of mechanisms of drug resistance to trastuzumab in HER2 overexpressing breast cancer based on gene expression and miRNA expression changes in selected cell lines"
4. **Joanna Stelmaszewska** "Follicle-stimulating hormone receptor (FSHR) expression in endothelial and cancer cells and usage in cancer treatment"

5. **Wiesław Abramowicz** "Validation of differentially expressed genes after exposure on the ixazomib and ursolic acid in renal cell carcinoma Caki-2 cells."
6. **Witold Bauer** "developing CATAPUIT (CATABolic Profile Understanding Tool); illustrated with t2dm metabolic profiles study"
7. **Urszula Radzikowska** "Human rhinovirus triggers activation of inflammasome in airway epithelium in asthma"
8. **Anna Sieńko** "High-level fluoroquinolone resistance in *Enterococcus faecalis* clinical isolates"

18.30 – 21.00 dinner on the Vistula river

May 27, 2017

10.00 - 11.45 MMRC PhD Projects

1. **Jakub Fichna** "Identification of causality in genetic disorders - new opportunities and new challenges".
2. **Joanna Borkowska** "Epigenetic modifications of DNA and TET enzymes in aging of human subcutaneous adipose tissue and adipose tissue-derived stem cells".
3. **Izabela Michnowska** "„Angiopoietin-like proteins in the regulation of lipid metabolism during prolonged exercise after different types of diet".
4. **Adriana Muchowska** "The influence of biodegradable keratin preparations obtained from alpaca wool for healing wounds of rats with induced diabetes"
5. **Lidia Kania** "Hypoglycemia in hospital settings. Role of hypothalamic-pituitary-adrenal axis."
6. **Aneta Uszyńska** "Chymostatin is more effective than enalapril in the treatment of experimental sodium-dependent hypertension in wona"
7. **Iwona Baranowska** "Evaluation of non-ACE angiotensin I conversion inhibitors, chymostatin and rapeseed-derived peptides, in genetically determined hypertension (young and adult spontaneously hypertensive rats)".

11.45 - 12.00 coffee break

12.00 - 14.00 UMB PhD Projects

1. **Przemek Szałaj** "Modeling and analysis of the 3D genome organization"
2. **Dzianis Kazakevich** "Differential gene expression from multivariate exon expression in correlated RNA-Seq data"
3. **Marta Chacińska** "Adipose tissue insulin resistance"
4. **Beata Raczowska** "Metabolic fingerprint of Gestational Diabetes Mellitus".
5. **Paulina Samczuk** "Metabolic effects of bariatric surgery"
6. **Bartłomiej Kałaska** "Kynurenines and bone strength in rats with chronic kidney disease"
7. **Paweł Muszyński** "The possible association of chitinase-3-like protein 1 (YKL-40) with altered function of blood-brain barrier in Alzheimer's disease."
8. **Tomasz Kamiński** "Indoxyl sulfate increases vascular thrombosis in a model of the intravital confocal microscopy in living mice"

14.00 lunch