



1ST INTERNATIONAL CONFERENCE FOR YOUNG SCIENTISTS

# BIOMARKERS OF CIVILIZATION DISEASES

April 21, 2023

## CONFERENCE PROGRAMME

- 09:00-09:15** **Opening and Welcome speech**  
*Prof. Mateusz Maciejczyk - Chairman*
- 09:15-09:45** **Expert lecture: Gastrointestinal diseases among diseases of civilisation**  
*Prof. Joanna Matowicka-Karna*  
Polish language
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- 09:45-10:00** **Artificial Intelligence in diagnostics - how new types of markers generated by artificial intelligence affect the classic diagnostic approach on the example of the SkinLogic™ system.**  
*Jacek Stepień*  
Polish language and online
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- 10:00-10:15** **Metabolomic response profiles of patients with acute myeloid leukaemia**  
*Tomasz Pieńkowski*  
English language and online
- 10:15-10:30** **The detection of relaxin-2 plasma concentrations in patients with essential hypertension and type 2 diabetes mellitus**  
*Olena Pankova*  
English language and online
- 10:30-10:45** **Contribution of IL-1beta and HIF-1alpha to the development of hyperglycemia in COVID-19 infection**  
*Alexandr Pozharytski*  
English language and online
- 10:45-11:00** **Diagnosis and monitoring sarcopenia using inflammatory mediators**  
*Kinga Żmuda*  
English language and online



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**11:00-11:15** **FAMILY – LINK APP «OKID-S»**

*Lizaveta Kuritskaya*

English language and online

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**11:15-11:30** **Relationship between exposure to tobacco smoke and renalase blood concentration in patients with arterial hypertension**

*Aleksandra Żórawik*

Polish language and online

**11:30-11:45** **Correlation of advanced glycation end products to with echocardiographic parameters in patients with heart failure and mildly reduced ejection fraction - UPDATE**

*Kacper Karaban*

Polish language and online

**11:45-12:00** **Thickness and volume of epicardial adipose tissue in relation to stiffness and elasticity of aorta assessed by computed tomography angiography**

*Wojciech Hajdusianek*

Polish language and online

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**12:00-12:15** **Presentation: L'Oréal-UNESCO for Women and Science**

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**12:15-12:45** **Coffee break**

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**12:45-13:15** **Expert lecture: Current diagnosis of Alzheimer's disease**

*Dr Agnieszka Kulczyńska-Przybik*

Polish language and online



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- 13:15-13:30** **Determination of potential biomarkers in Alzheimer's disease using SPRi biosensors**  
*Sylwia Bogdan*  
Polish language and in-person
- 13:30-13:45** **Construction of the SPRi biosensor sensitive to the PARP-1 protein for quantitative determinations in blood plasma.**  
*Zuzanna Zielińska*  
Polish language and in-person
- 13:45-14:00** **Activation of inflammation in human monocytes and macrophages by nanoparticulate carbon black and urban dust**  
*Joanna Roslan*  
Polish language and in-person
- 14:00-14:15** **Effect of bariatric surgery on matrix metalloproteinase activity in patients with morbid obesity - preeliminary studies**  
*Konrad Wiśniewski*  
Polish language and in-person
- 14:15-14:30** **Immunohistochemical identification and evaluation of leptin biosynthesis in the liver of men with different body mass index.**  
*Weronika Sokólska*  
Polish language and in-person
- 14:30-14:45** **Preliminary evaluation of gene expression and immunohistochemical identification of CacyBP/SIP and  $\beta$ -catenin in the adrenal glands of rats with primary and secondary hypertension**  
*Karolina Kymona*  
Polish language and in-person



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- 14:45-15:00** **In search of new biomarkers: the possible application of selenoprotein-P, renalase, and peroxiredoxin-5 in cardiovascular risk stratification. A one-center study.**  
*Karolina Czerwińska*  
Polish language and in-person
- 15:00-15:30** **Expert lecture: Cancer - a beast that lurks for each of us**  
*Prof Małgorzata Rusak*  
Polish language and online
- 15:30-15:45** **Collagenases (MMP-1, -8, -13) plasma activity increase in patients with adrenal masses**  
*Marta Lewoc*  
Polish language and in-person
- 15:45-16:00** **Morphological and functional characteristics of the skin exposed to UVA and UVB radiation**  
*Edyta Gołaś*  
Polish language and in-person
- 16:00-16:15** **The diagnostic value of inflammatory markers (IL-6, CRP/IL-6, CRP/L) for assessing the severity of COVID-19 symptoms based on the MEWS and predicting the risk of mortality.**  
*Jakub Wiktor Kosidło*  
Polish language and in-person
- 16:15-16:30** **Biomarkers associated with inflammatory state in PPD**  
*Aleksandra Julia Oracz*  
Polish language and in-person



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- 16:30-16:45**     **Catalase and peroxidase as early markers of NAFLD in patients receiving valproic acid**  
*Weronika Perczyńska*  
Polish language and online
- 16:45-17:00**     **Can vinegars be used in the prevention of civilization diseases?**  
*Oliwia Anna Mielczarek*  
Polish language and online
- 17:00-17:30**     **Award Ceremony and End**  
*Scientific Committee*