

# ADEVASCO

The Research Task entitled '**Personalized endothelial diagnostics in anticancer treatment; towards modern vasculon oncology**' [ADEVASCO (Aptamer-Based Diagnosis of Endothelium in Vasculon oncology)] will be conducted by Jagellonian University in consortium with five Polish scientific units: Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Sciences in Wrocław, Institute of Animal Reproduction and Food Research Polish Academy of Sciences in Olsztyn, Medical University of Gdańsk, Maria Skłodowska-Curie National Research Institute of Oncology in Gliwice and Warsaw University of Technology.

The goal of the ADEVASCO team's scientific and research activities is to develop a new technology of the electrochemical aptasensor, based on aptamers and original methodological solutions based on polymer nanobrushes, mounted into a specially designed POCT apparatus with microfluidic system. This completely novel technology will provide a tool to solve the unmet medical need of an early companion diagnostics (CDx) for cardiovascular toxicities related to anticancer therapy.

The amount of funding allocated to the project is PLN 78,578,024.95

## **The Key Personnel of the Research Team consists of:**

**Prof Stefan Chłopicki, PhD** - Research Team Leader / Jagellonian University

**Prof Szczepan Zapotoczny, PhD** / Jagellonian University

**Prof Joanna Wietrzyk, PhD** / Hirszfeld Institute of Immunology and Experimental Therapy Polish Academy of Sciences

**Iwona Grabowska, PhD** / Institute of Animal Reproduction and Food Research Polish Academy of Sciences

**Prof Michał J. Markuszewski, PhD** / Medical University of Gdańsk

**Prof Ryszard T. Smoleński, PhD** / Medical University of Gdańsk

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**Prof Mariusz Pietrzak, PhD** / Warsaw University of Technology

[Job offers in the Research Team \(link\)](#)

Author:wib Publish:28.06.2024 