**Assist. Prof. Patrycja Kaczara, MD, PhD**
(Krakow, Poland)

Patrycja Kaczara is an Assistant Professor at the Jagiellonian Centre for Experimental Therapeutics, Jagiellonian University in Krakow, Poland. She studied Biotechnology at the Faculty of Biochemistry, Biophysics and Biotechnology of the Jagiellonian University in Krakow. She earned her Ph.D. in Biophysics at the same Faculty studying the role of melanin in protection of retinal pigment epithelium-derived cells against oxidative stress. In 2013 she joined the Jagiellonian Centre for Experimental Therapeutics (JCET), and since 2021 she has been a head of the Laboratory of Electron Paramagnetic Resonance (EPR) Spectroscopy.

Her research is focused on utilization of fatty acids for energy metabolism and how pharmacological modulation of energy metabolism alters the function of cells, especially endothelial cells, vascular smooth muscle cells and platelets. Specifically, her interest in the effects of carbon monoxide on endothelial cell and platelet metabolism was a basis for the habilitation awarded in 2022 in Biological Sciences.

She completed short internships at several scientific institutions: Medical College of Wisconsin (Milwaukee, USA), INSERM – Faculty of Medicine (Creteil, France), and University College London (London, Great Britain), where she studied oxidative stress and energy metabolism in *in vitro* cells.

Currently, she is leading the project on the role of energy metabolism normalization as a way to develop innovative antithrombotic therapies.