

POLISH ACADEMY OF ARTS AND SCIENCES (PAU)

CLASS IV OF NATURAL SCIENCES

Invites to the scientific symposium

Not only oxidative stress: Nrf2 and heme oxygenase-1 in health and disease

May 28, 2025 (Wednesday); 10:00-15:00

www.pau.krakow.pl/platforma-wymiany-naukowej-pau

10.00 – opening – Elżbieta Pyza, Alicja Józkowicz, Józef Dulak

10.05-10.35 – **Roberto Motterlini** (University Paris Est Créteil, Paris) - *The heme oxygenase-1/carbon monoxide pathway: a personal perspective*

10.35 – 11.05 – **Roberta Foresti** (University Paris Est Créteil, Paris) - *Carbon monoxide: a poisonous gas with anti-obesogenic effects*

11.05 – 11.30 – **Elżbieta Pyza** (Jagiellonian University, Kraków): *Neuroprotective action of heme oxygenase in the retina.*

11.30 – 11.55 **Milena Damulewicz** (Jagiellonian University, Kraków): *The heme oxygenase in the brain - friend or enemy?*

11.55 - 12.15 discussion

12.15-13.00 – break

13.00 – 13.25 – **Alicja Józkowicz** (Jagiellonian University, Kraków) - *Not so fast: HO-1 and replication stress.*

13.25 - 13.50 – **Agata Szade** (Jagiellonian University, Kraków) - *Unveiling the Hidden Side of a CoPP: HO-1–Independent Mobilization of Bone Marrow Cells*

13.50 – 14.15 – **Józef Dulak** (Jagiellonian University, Kraków) – *Beyond dystrophin: heme oxygenase-1 and iron in Duchenne muscular dystrophy*

14.15 – 14.40 – **Agnieszka Łoboda** (Jagiellonian University, Kraków) – *Inhale or not inhale: therapeutic effects of hydrogen sulfide*

14.40 - 15.00 – final discussion

People interested in stationary participation are requested to report to the PAU Secretariat - email: wioletta.kania@pau.krakow.pl by May 23rd, 2025

Participation in the symposium is free of charge, the organizers do not cover travel costs

Prof. Elżbieta Pyza
Director of PAU Clas IV

Prof. Alicja Józkowicz
PAU member, class IV

Prof. Józef Dulak
PAU member, class V (medicine)

The symposium is organized in cooperation with the Department of Medical Biotechnology of the Faculty of Biochemistry, Biophysics and Biotechnology of the Jagiellonian University and the Medical Biotechnology Section of the Biotechnology Committee of the Polish Academy of Sciences