

METABOLIC ADAPTATION OF PODOCYTES TO LIPID EXPOSURE

Aurore Hecq^{1,2}, Antoine Nortier¹, Marine Thirion¹, Emmanuel Esteve¹, Thierry Arnould², Anne-Emilie Declèves¹.

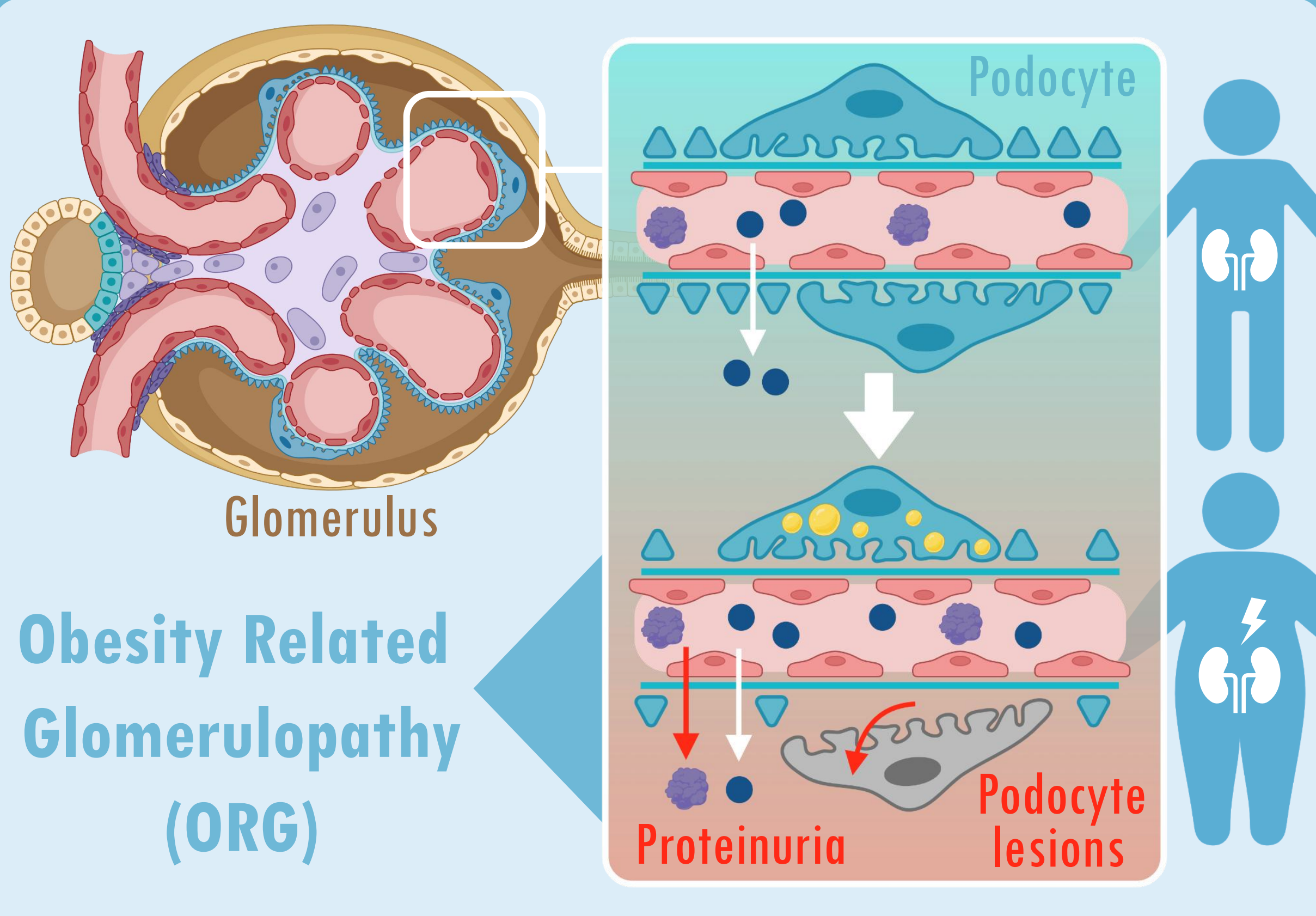


¹ Laboratory of Metabolic and Molecular Biochemistry, Research Institute for Health Sciences and Technology, University of Mons (UMONS), Mons, Belgium.

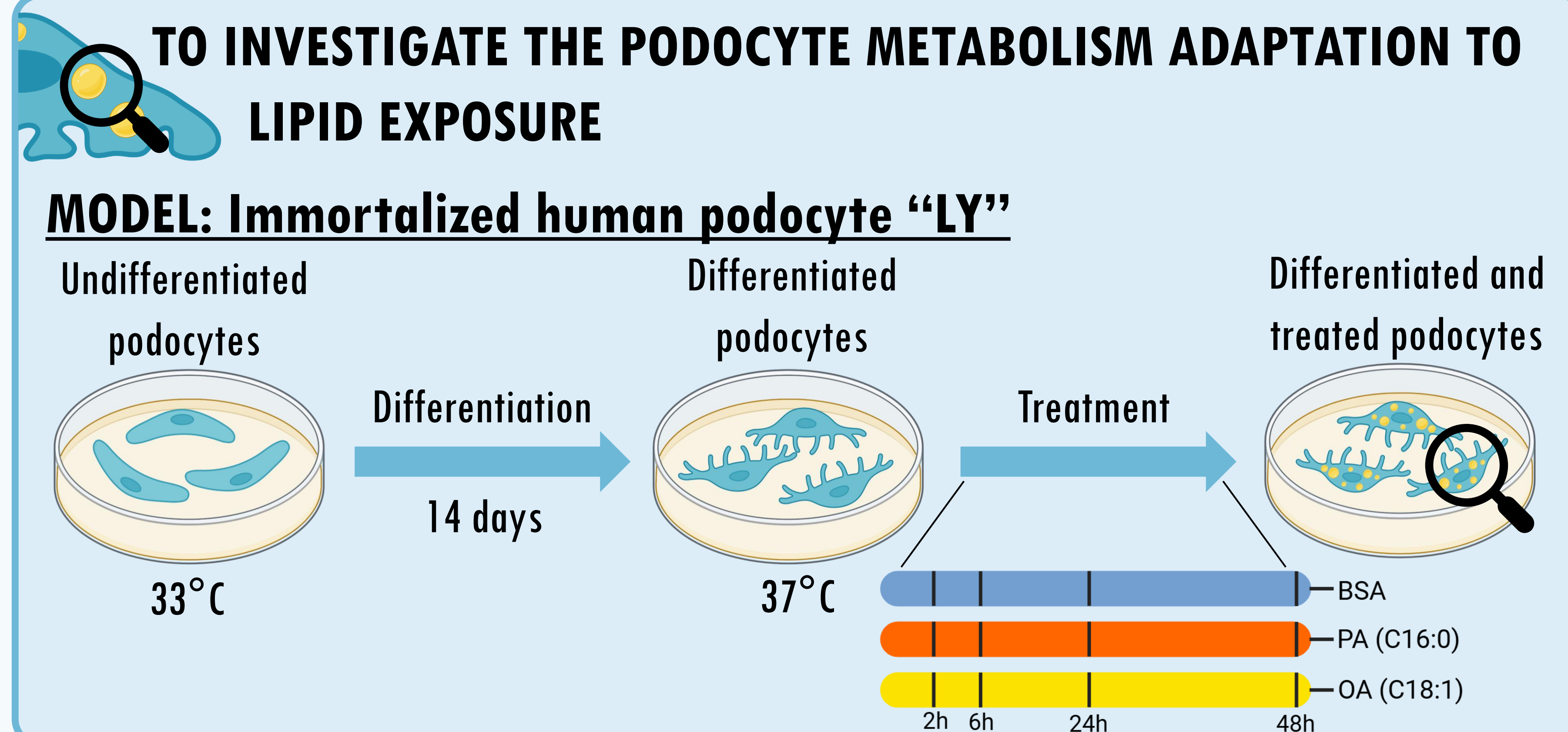
² Laboratory of Biochemistry and Cell Biology (URBC), Namur Research Institute for Life Sciences (NARILIS), University of Namur (UNAMUR), Namur, Belgium.



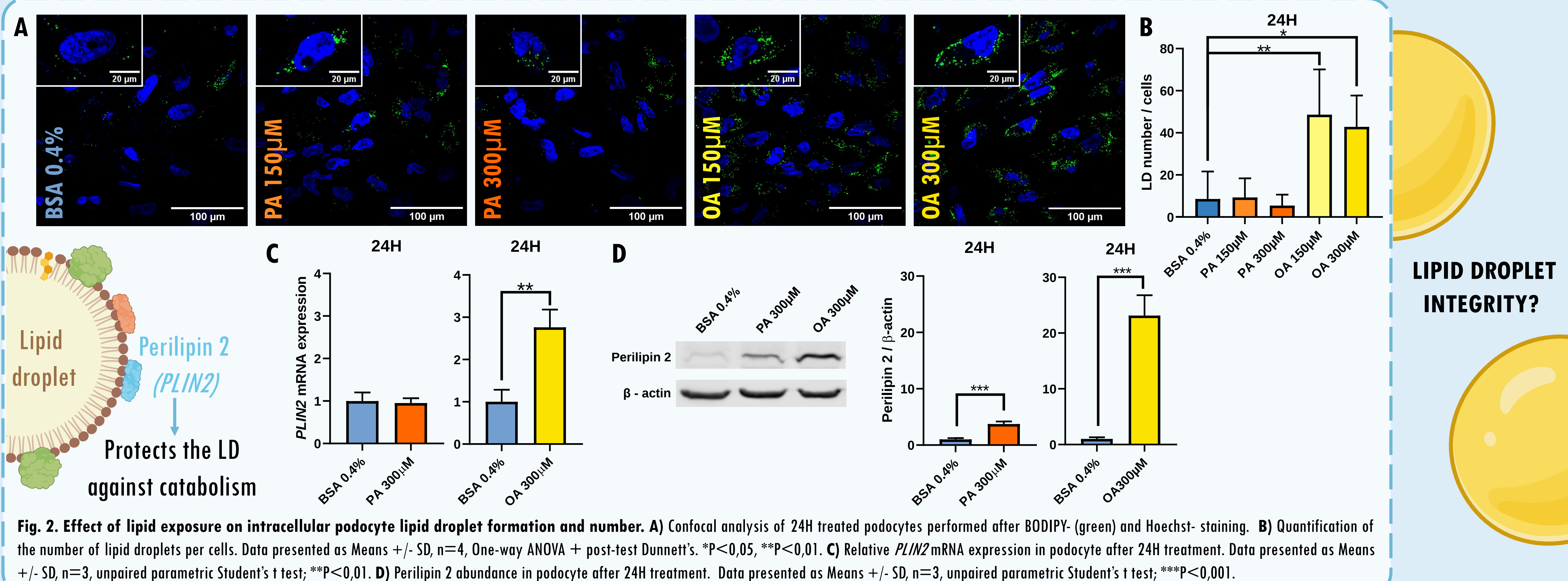
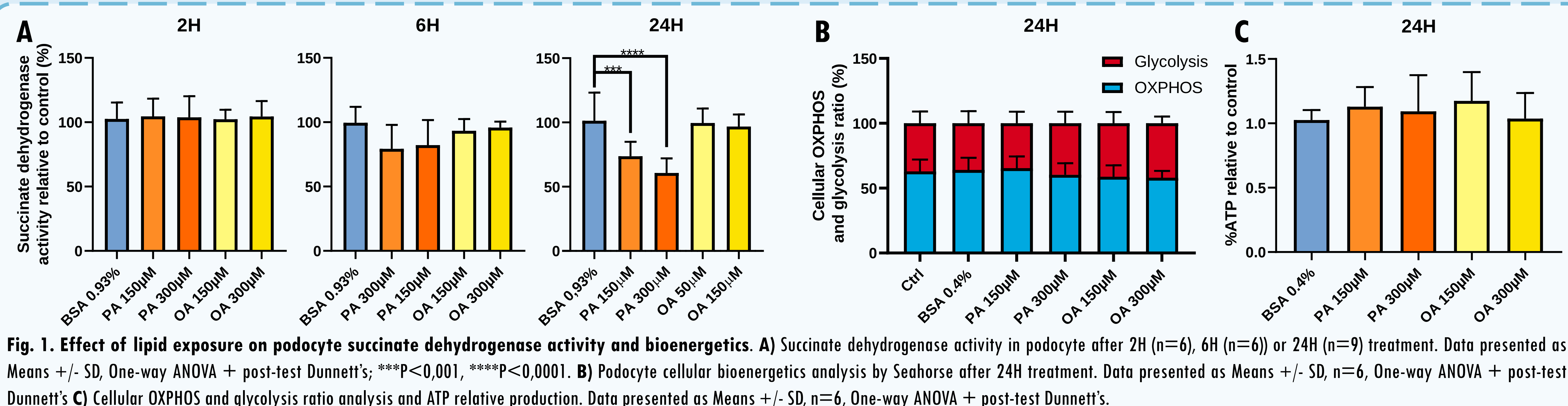
INTRODUCTION



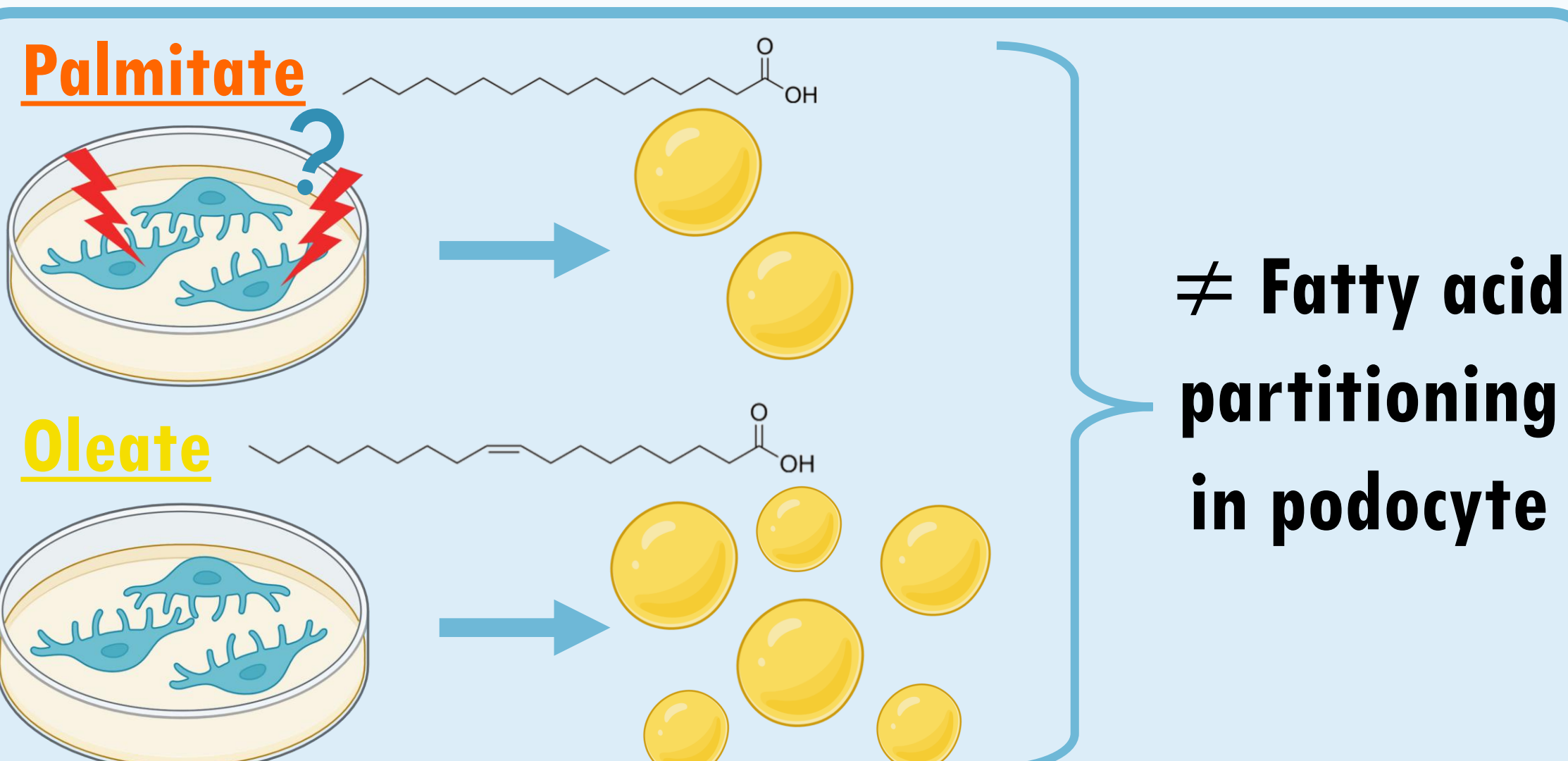
AIMS & METHODS



RESULTS



CONCLUSION



PROSPECTS

- Investigation of the various pathways through which palmitate can lead to metabolic disturbances, including mitochondrial integrity, endoplasmic reticulum integrity, ROS production, de novo ceramide synthesis, and cytoskeleton organization.
- In-depth analysis of the lipidome using lipidomic profiling.

INFORMATIONS

Aurore Hecq holds a PHD fellowship from the UMONS and UNAMUR.

