

"Electron paramagnetic resonance oximetric imaging of animal tumors ."



During the talk physical basis for the method will be explained, together with its limitations in the context of biological measurements. Methodological approaches to imaging molecular oxygen in small animals will be presented, as well as some very recent examples of EPR oximetric imaging from the literature. Finally, the results from our lab, showing tumor oximetry in mouse tumors after photodynamic therapy will be shown. Future directions, including the clinical applications will be discussed.

Dr Martyna ELAS

Department of Biophysics

Faculty of Biochemistry, Biophysics and Biotechnology

Jagellonian University

Cracovie, Pologne

Invitée par Chantal Pichon

Vendredi 4 novembre 2016 à 11h

Salle de conférence du CBM