

Application domains:

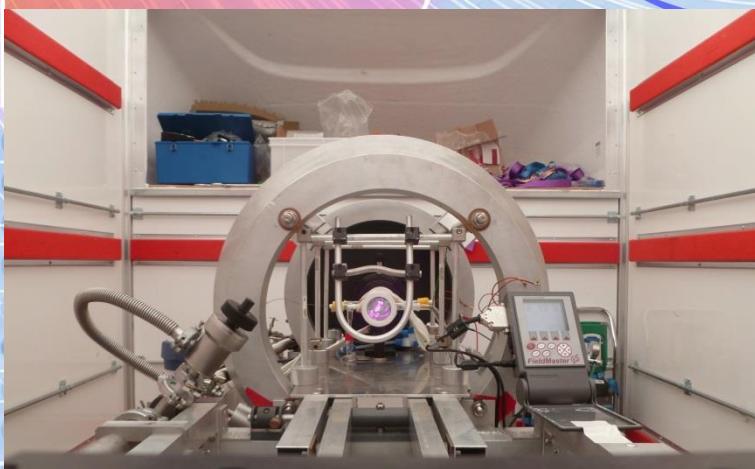
- Cell biology
- *in vitro* & *in vivo* medical diagnostics
- Study of materials

Mobile Optical Pumping Setup

Features:

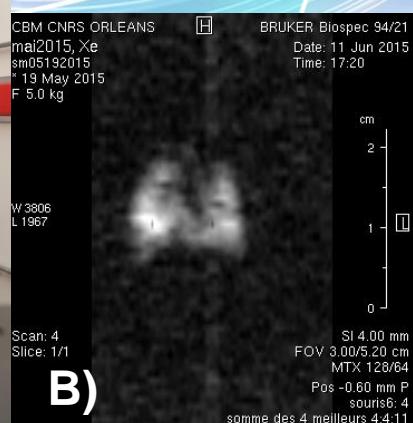
- Setup easily movable
- Method of high sensitivity
- Non toxic tracer
- Low-cost, fast and simple installation
- Process applicable *in vitro* & *in vivo*

The current innovation deals with a setup for optical pumping of noble gases, installed in a van. It thus becomes possible to produce hyperpolarized species in close proximity to your NMR or MRI systems. The setup only needs mains current and compressed air.



A)

- A) Optical pumping setup inside a van
 B) ^{129}Xe MRI of a mouse lungs obtained at CBM Orléans with this setup



B)