ULIEGE - CRC CYCLOTRON RESEARCH CENTRE

Research in neuroscience at the cyclotron research centre ranges from radiopharmaceutical production to in vivo brain imaging in small animals and humans for drug development and understanding biological processes underlying sleep, cognition, mood, addiction, memory, movements, consciousness and their disorders (dementia, Parkinson, coma, epilepsy,…).

Research axes & Expertise

PET :

- PET expertise in Drug Discovery and Development.
- Advanced chemistry and technology capability.
- New PET tracer development using Fluorine-18 radiochemistry GMP production of PET radiopharmaceuticals.
- Pre-clinical studies in rodents with micro-PET and micro CT.
- Clinical expertise, linking pathophysiology with the disease using PET.
- Human PET imaging studies (first-in-man studies, Phase I and II).

MRI :

- Human 3T MR imaging studies (fMRI, phMRI, spectroscopy, DTI, ASL).
- Expertise in experimental design, data acquisition and analysis.
- Recording EEG in MRI scanner

Applications fields

Diagnostics

Major projects/partnerships/collaborations

- Projects in fundamental research are covered by grants from FNRS and private foundations.
- Member of Biowin (Keymarker, Radiotarget and Gage) and Welbio.
- ITN Marie Curie (http://www.neuro-physics.eu/)

Key figures

75 researchers (academics, permanent positions FNRS, postdocs and PhD students) with expertise in physics, chemistry, radiochemistry, biology, medicine, pharmacy, psychology.

Contact

- Address: ULg B30 - 4000 Liège
- Website: www.cyclotron.ulg.ac.be/cms/j_6/accueil
- Contact person: Prof. André Luxen (CRC director), aluxen@ulg.ac.be
- Phone: +32 43 66 23 60