Postdoctoral fellowship in Cancer Imaging (oxygen mapping) (2 years)

**Job Description:** The Biomedical Magnetic Resonance Group of the Catholic University of Louvain (Brussels, Belgium) offers a post-doctoral position in the field of cancer imaging (oxygen mapping). The successful candidate will join our effort to develop a non-invasive MRI methodology to map tumor oxygenation using endogenous contrast*, on a 11.7T Bruker Biospec system, and to conduct translational studies in humans on a 3T Philips Medical system of the St Luc hospital.

**Facility and Equipment:** The Biomedical Magnetic Resonance platform includes facilities that support cutting edge activities: 11.7T Bruker Biospec system equipped with cryoprobe, 4 EPR systems (electron paramagnetic resonance), micro-probes for pO₂ or pH measurement. We have also access to a micro-PET/CT imager, and a radiotherapy system. [http://www.uclouvain.be/en-rema](http://www.uclouvain.be/en-rema)

**Requirements:** This position requires a Ph.D. degree in Physics, Biomedical Engineering, or other related fields. The ideal candidate should have a strong background in MR physics. Experience with pulse sequence programming, MRI data acquisition and analysis, and proficiency in MATLAB is recommended.

All Interested candidates are invited to email their CV, cover letter and contact information of three references to:

Prof. B. Gallez  
Université Catholique de Louvain  
Louvain Drug Research Institute/REMA  
Av. Mounier 73.08  
1200 Brussels  
Belgium  
bernard.gallez@uclouvain.be

Prof. B. Jordan  
Université Catholique de Louvain  
Louvain Drug Research Institute/REMA  
benedicte.jordan@uclouvain.be