



Position available: Clinical applications of HP Helium3 MRI

Postdoctoral position funded by EU Marie Curie Actions

Duration 2 years

Salary (gross) 49210 euros/year plus mobility allowance (ca. 10000 euros/year)

Job description: the research objectives will focus on investigation of lung functional changes in cystic fibrosis and COPD patients using Hyperpolarized Helium3. Clinical investigations will rely on the development and the implementation of standardized and optimized imaging protocols (gas delivery, imaging sequence, image acquisition parameters, image analysis, etc).

The project is funded as part of the EU Framework 6 Polarised Helium Imaging for Lungs Network (PHELINET) and the researcher will be encouraged to participate in ongoing collaborations with other scientists across Europe with multiple opportunities to visit leading international academic and industrial laboratories and to attend taught summer schools.

Candidate profile: PhD with background in biomedical MRI. The candidate will have strong experience in imaging sequence development and MR physics applied to the biomedical field. The position is opened to any nationality to the exception of French. At the date of appointment, the candidate should not have resided or worked in France for more than 12 months in the last 3 years. Recruitment being resolutely based on an equal opportunity policy, female candidates are strongly encouraged to apply.

Environment: The work will take place in the NMR laboratory located on the Campus of the Lyon University. Clinical studies will be performed on a whole-body research scanner (Sonata, Siemens) with Helium3 imaging capabilities located on the hospital site in connection with radiologists and clinicians.

Lyon, the second largest urban area in France, is the second research and development pole in France with approximately 17 500 researchers. Located at the crossroads of northern and southern Europe (2 hours drive from Alps ski resorts and 3 hours from Mediterranean coast), the city, part of the World Heritage List, offers a wide range of cultural and outdoors activities.

Closing date: 1 april 2007

For more information on the projects please **contact:**

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