



HEALTIS is recruiting a RF & NUMERICAL MODELING ENGINEER - Nancy, France

Our Laboratory

HEALTIS is an MRI Safety and Compatibility **TESTING LABORATORY**. HEALTIS specializes in testing the interactions between medical device and the electromagnetic environment of MRI. HEALTIS has worked with medical device manufacturers around the world, serving to characterize the risks associated with their devices when present in the MRI environment.

The interactions between MRI and medical devices in the examination room are of all kinds: attraction due to the magnetic field, vibrations, heating due to radiofrequencies, electronic malfunction, etc. Our tests allow us to measure these interactions, with tools and methods described by various normative standards, or designed specifically for the needs of the project.

We may be dealing with devices that are already commercially available or devices that are still in development. In the latter case, we accompany the R & D team designing the product in order for it to be optimized for MRI.

Additionally, we offer digital modeling services, technical and regulatory support and training on the MRI safety of MDs.

Medical devices from all over the world come to us to be tested in Nancy, France. We are the sole device testing laboratory in France, and we are among a shortlist of providers around the world.

The number of MRIs and of implants is increasing. Evaluation of the interactions between MDs and MRI is becoming mandatory for our customers, and our activity is growing!




Our MRI tests meet a demanding international normative and regulatory framework. We participate in the normative groups of our field.

Our laboratory is accredited by COFRAC, according to the ISO / IEC 17025 standard for its testing activities (accreditation N ° 1-6320, scope available on www.cofrac.fr)

Job Descript.	In order to strengthen our teams, we are recruiting a RF and Numerical Modeling Engineer (M/F)
Role and Responsibilities	<p>Modeling:</p> <ul style="list-style-type: none"> You will carry out projects to predict radiofrequency heating on medical devices on behalf of our clients; Through modeling you will contribute to our research and development program. <p>Tests:</p> <ul style="list-style-type: none"> You will participate in projects, developing tools and methods for measuring interactions between MDs and MRIs, especially radiofrequency induced interactions. You will perform specific tests for R & D or for clients, You will participate in the normative groups and workshops dedicated to "MRI safety" (international)
Location	Nancy - France
Contract	Full Time
Work hours	Mainly day schedules, occasional staggered hours for MRI tests

Start Date	As soon as possible
Remuneration	Based on profile and experience
Travel	Occasional trips

Your profile

Education	Master's Degree or equivalent, minimum		
Education or Research experience in	<input checked="" type="checkbox"/> Physical Engineering <input checked="" type="checkbox"/> Industrial Engineering <input checked="" type="checkbox"/> Mechanical engineering	<input checked="" type="checkbox"/> Numerical mathematical modeling	<input checked="" type="checkbox"/> Generalist Engineer <input checked="" type="checkbox"/> Electrical systems
Technical Competencies 	Essential : <ul style="list-style-type: none"> ■ Knowledge of the physics of electromagnetic waves, especially in radio frequencies ■ Mastery of a data processing language (Matlab, LabView, Python, Java, ...) ■ Mastery of a numerical simulation software (CST, COMSOL...) 		Appreciated <ul style="list-style-type: none"> <input checked="" type="checkbox"/> MRI <input checked="" type="checkbox"/> Experience with CAD <input checked="" type="checkbox"/> Metrology
Languages	English and French (oral and written)		
Professional Experience	<input checked="" type="checkbox"/> A 3-year-professional experience would be appreciated <input checked="" type="checkbox"/> New graduates accepted		
Other requirement(s)	Valid drivers permit		

Among the reasons to join HEALTIS....

Take part in the progress of the medical field!

- You will have the opportunity to contribute to the design of medical devices that will shape the world of tomorrow
- Do you have a curious and inventive mind? Your skills and ideas will advance our R & D!

Join a stimulating work environment!

- A multicultural team: you will flourish among employees of different nationalities, young and passionate about their job.
- A structure on a human scale: with us, you will be able to make change and benefit from an important autonomy.
- Our laboratory is located in the heart of the Nancy hospital, in the immediate vicinity of our main scientific partners.
- The Greater East Region of France: an innovative and green region where life is good!

You will find opportunities for development and evolution!

- We will allow you to become a true technical expert in the field of MD MRI security
- By demonstrating your excellence and involvement, you will have the opportunity to build skills and take on new responsibilities, in the technical field or in cross-curricular competencies



To apply

Please send your letter of motivation and resume to info@healtis.com. Please specify your salary requirements and your availability. If you have any questions, please contact Christelle GUFFROY, Recruitment Officer, on +33 (0) 7 68 24 92 40 or by email (info@healtis.com)