The topic of the PhD program “Magnetic Resonance Imaging (MRI) and Microwave Radiometry (MR) Based Measurement of the Efficacy of Hot and Cold Treatments” immediately drew my attention, having many relatives suffering from chronical arthritis and having myself experienced muscle injury treated with both cold gels and warm baths, the question of temperature treatments and their conditions of applicability for injury and chronical diseases, is of great interest to me. Temperature treatment, although known to people for centuries, has still unproven efficacity. I would be very excited to contribute to the process of unraveling the mechanisms behind temperature effects. Furthermore, I have an idea of connecting heat and cold methods with rheumatism treatment – investigating noninvasive therapeutics for rheumatism is one of my career goal, but I have never had an opportunity. I would therefore be delighted to be considered for this PhD position as I have good hope that results of this research might open the way to interesting rheumatism therapies.

I am finishing a contract in a molecular diagnostics laboratory at an oncology hospital in Poland, where I work on clinical samples to provide oncologists with genetic cancer diagnosis in order to customize treatment. There I got familiar with issues on patients' data protection and clinical DNA analysis techniques. I would like to continue developing in the field of medicine and clinical research after the end of my contract, having a direct positive impact on patient well-being brings me great satisfaction.

Following graduation from the University of Edinburgh in 2013, BSc Hons Biological Sciences (Biochemistry), where I deepened my critical reasoning and good communication skills, in 2014 I obtained a Master's degree in Systems and Synthetic Biology from the University of Évry, France.

Immediately after Master, I joined a research team at the University of Freiburg , Germany. The project consisted in innovative ionic sensing using biological nanopores (analogous to Oxford Nanopore). My work required independence in conducting experiments and problem solving - I was involved in organizing the lab daily activities, poster presentation and fostering good relations with other team members as well as with external professors.

Most importantly, my experiences so far developed my scientific curiosity and made me adapt to and learn from multi-disciplinary environment in an international context. That is why I feel confident I would be a good candidate for temperature treatment research, I am looking forward to acquiring the techniques necessary for this research and work with Prof Neil … and his team with whom I am sure I’ll get along and from whom I am sure I’ll learn a lot.