NeuroSpin (CEA, France) is seeking to fill an 18-month post-doctoral position to study possible biological effects of high magnetic and static field exposure. The successful candidate will collaborate with the staff of NeuroSpin to design, carry out and lead accordingly in-depth investigations on animals. This shall include behavioral studies on mice (balance beam, Morris water maze), histological analysis, genotoxicity and audiograms, after exposure at magnetic fields of 11.7T and 17T. After the world-première first (in vitro) images acquired on the human scanner at 11.7T (English Portal - The most powerful MRI scanner in the world delivers its first images! (cea.fr)), obtaining the legal authorizations to scan human volunteers is of the utmost importance for the research institute. Within this context, the safety studies described here would be an integral part of the application. The work also will be conducted in collaboration with the NeuroPsi institute (https://neuopsi.cnrs.fr/en/homepage/) located just nearby NeuroSpin.

The sought profile is a scientist with a PhD in biology and ideally he/she should have experience in animal studies. Rigor, problem-solving and communication skills should be excellent.

NeuroSpin is a research institute dedicated to brain imaging. It belongs to the Commissariat à l’Energie Atomique et aux Energies Alternatives, located in Saclay (suburb of Paris France). It hosts approximately 150 staff members (tenure researchers, post-doctoral fellows and PhD students) including physicists, computer scientists, mathematicians, clinicians, neuroscientists and biologists. The institute is equipped with three preclinical (7T, 11.7T, 17T) and three clinical (3T, 7T, 11.7T) MRI scanners. The Iseult 11.7T clinical MRI scanner is a world-premiere in the MR community. Designed by CEA, with a 90 cm wide bore it holds a world record in terms of stored energy in an MRI magnet. It reached its nominal field strength in July 2019 for the first time while the first in vitro image was recently obtained.

The position is available immediately until filled. To apply, please send your CV and motivation letter to sebastien.meriaux@cea.fr. For further inquiries about the position, please contact the same address.