



Edmond Gravel

CEA, France

Edmond Gravel studied Pharmacy at the University Paris-Sud XI from which he obtained his PharmD in 2005. He then worked on the biomimetic self-construction of polycyclic alkaloids with Prof. Erwan Poupon (BioCIS, Pharmacognosy Laboratory) under the guidance of whom he obtained his PhD in 2008. E. Gravel then worked as a post-doctoral fellow on the development of novel lipid formulations for biomedical applications with Dr Eric Doris at the CEA Paris-Saclay where he was appointed permanent researcher in 2009. His research interests mainly focus on the application of organic chemistry to the development of new nanomedicines and the construction of nanostructured catalytic hybrids for green chemical processes.

ORCID: <https://orcid.org/0000-0001-6077-1016>

In 2007, Sébastien Mériaux earned his PhD degree in Physics from Paris-Sud University, after which he started to work at NeuroSpin (Institut des Sciences du Vivant Frédéric-Joliot - Commissariat à l'Énergie Atomique, Saclay, France) as one workpackage leader of the ISEULT project. In collaboration with the pharmaceutical company Guerbet, this workpackage was dedicated to the development of new paramagnetic and superparamagnetic functionalized contrast agents targeting biomarkers of brain pathologies (tumor, stroke, Alzheimer disease). In continuation of the ISEULT project, he dedicated his research work to the identification of specific physiological or pathological brain biomarkers using high-field MRI, applying a variety of approaches ranging from molecular imaging to functional MRI. During his career, he acquired a vast set of skills in animal experimentation, development of intervention applications ranging from molecular to ultrasound techniques and implementation of data processing and analysis methodologies. He is currently the head of the Cerebral Imaging and Engineering Laboratory (CIEL), the pre-clinical imaging team of NeuroSpin that is developing innovative methodologies to investigate the biophysics of brain mechanisms both in normal and pathological conditions.



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