

Virginie CALLOT is a CNRS research director, trained in Physics. She currently heads the Spinal Cord MRI research group at CRMBM-CEMEREM (Centre de Résonance Magnétique Biologique et Médicale, UMR 7339, CNRS, Aix-Marseille Université, France).

Trained in Physics at the University of Reims Champagne-Ardenne, V. Callot obtained her PhD degree in 2001 from the University of Lyon working on encapsulated hyperpolarized helium3 MR imaging. During her postdoctoral position at NIH (National Institutes of Health, Bethesda, USA) and MGH (Massachusetts General Hospital, Boston, USA), she worked on cardiac diffusion-perfusion MRI and relaxometry. She joined the CNRS (Centre National de la Recherche Scientifique) in 2006 at CRMBM-CEMEREM in Marseille, where she first worked on brain tumors before moving toward spinal cord multimodal MRI.

Her current project focuses on advanced MRI techniques for an improved characterization of the spinal cord impairments and implies both methodological developments and pathological investigations, from mouse models to clinical and ultra-high field researches.