

Jean-François Mangin

Jean-François Mangin is the head of a research group in structural neuroimage analysis, working in Neurospin, the high-field MRI center of the CEA. He is also the director of CATI, the French platform for multicenter neuroimaging studies (www.cati-neuroimaging.com), and codirector of the Subproject “Human Brain Strategic Data” of the largest EU project (www.humanbrainproject.eu). In 1989, he graduated from Ecole Centrale Paris, majoring in applied mathematics, and in 1995 received his Ph.D in image analysis from Télécom ParisTech. His methodological interest is in building up computer vision systems dedicated to the complex structures embedded in neuroimaging data. His neuroscience interest is in understanding and simulating the dynamics of the cortical folding pattern, and mapping the U-fiber bundles of white matter. Finally, in the context of the CATI platform, his ultimate goal is the inference of imaging-biomarkers from large databases using machine learning. The softwares resulting from these research programs are distributed to the community (www.brainvisa.info). He has published more than 120 papers in international journals (Scholar h-index = 56).